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.

SECTION A - PROPERTY INFORMATION	FOR INSURANCE COMPANY USE
A1. Building Owner's Name SJ HAUCK PROPERTIES, L.L.C.	Policy Number:
 A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5505 WELLINGTON AVENUE 	Company NAIC Number:
City State VENTNOR New Jersey	ZIP Code 08406
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT 2.02, BLOCK 341	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL	
	ım: ☐ NAD 1927 💢 NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insu	
A7. Building Diagram Number7	
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s) 1007.30 sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above	re adjacent grade 6
c) Total net area of flood openings in A8.b sq in	***************************************
d) Engineered flood openings? X Yes No	
A9. For a building with an attached garage:	
a) Square footage of attached garage N/A sq ft	
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent	grade N/A
c) Total net area of flood openings in A9.b N/A sq in	91000 1471
d) Engineered flood openings? Yes No	
To any most a mood opanings:	
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORM.	ATION 20-244
B1. NFIP Community Name & Community Number CITY OF VENTNOR 345326 B2. County Name ATLANTIC	B3. State New Jersey
B4. Map/Panel Number B5. Suffix B6. FIRM Index Date B7. FIRM Panel Effective/ Revised Date B8. Flood Zone(s) B9. Index Date B7. FIRM Panel Effective/ Revised Date B8. Flood Zone(s)	Base Flood Elevation(s) Zone AO, use Base Flood Depth)
345326 0001 B 06-18-1971 09-15-1983 A8 10.0	
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Iter	m B9:
☐ FIS Profile ☐ FIRM ☐ Community Determined ☒ Other/Source: FIELD PRELIMINA	RY MAP
B11. Indicate elevation datum used for BFE in Item B9: X NGVD 1929 NAVD 1988 0	ther/Source:
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Prote	ected Area (OPA)? ☐ Yes ☒ No
Designation Date: CBRS OPA	

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corresponding information 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. 5505 WELLINGTON AVENUE	Policy Number:
City State ZIP Code VENTNOR New Jersey 08406	Company NAIC Number
SECTION C - BUILDING ELEVATION INFORMATION (SURVEY R.	EQUIRED)
SECTION C – BUILDING ELEVATION INFORMATION (SURVEY R C1. Building elevations are based on:	uction* Finished Construction AF AR/A1–A30 AR/AH AR/AO
Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	7.3 X feet meters
SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFI	CATION 20-244
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by I certify that the information on this Certificate represents my best efforts to interpret the data availate statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001. Were latitude and longitude in Section A provided by a licensed land surveyor?	law to certify elevation information. ble. I understand that any false Check here if attachments.
Certifier's Name License Number	
HOWARD A. TRANSUE GS33451 Title PROFESSIONAL LAND SURVEYOR Company Name SCHAEFFER NASSAR SCHEIDEGG, CE, LLC Address 1425 CANTILLON BOULEVARD City MAYS LANDING State New Jersey 08330 Signature Date 03-17-2021 Telephone (609) 625-7400	G \$ 3364 Place Seal Here
Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance a	gent/company, and (3) building owner.
Comments (including type of equipment and location, per C2(e), if applicable) ITEM A8b VENTS ARE SMART VENTS MODEL 1540-510 RATED AT 200 SQ. IN. EACH. ITEM C2e IT THE A.C. PAD. PICTURES TAKEN 03/10/2021.	

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corresponding			FOR INSURA	NCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/o 5505 WELLINGTON AVENUE	r Bldg. No.) or P.O.	Route and Box No.	Policy Numbe	
1 x 1 = 1 x 1 = 1 = 1		ZIP Code 08406	Company NAI	C Number
SECTION E – BUILDING ELEY FOR ZONE A	/ATION INFORMA AO AND ZONE A (1	TION (SURVEY NO WITHOUT BFE)	OT REQUIRED)	
For Zones AO and A (without BFE), complete Items E1–E complete Sections A, B,and C. For Items E1–E4, use national enter meters.	5. If the Certificate is ural grade, if available	s intended to suppor le. Check the measu	rt a LOMA or LOM urement used. In P	R-F request, 'uerto Rico only,
E1. Provide elevation information for the following and ch the highest adjacent grade (HAG) and the lowest adj	eck the appropriate acent grade (LAG).	boxes to show whet	her the elevation is	s above or below
a) Top of bottom floor (including basement, crawlspace, or enclosure) is b) Top of bottom floor (including basement,		feet me	ters 🔲 above o	r 🗌 below the HAG.
crawlspace, or enclosure) is	· · · · · · · · · · · · · · · · · · ·	feet me	ters 🔲 above o	r 🗌 below the LAG.
E2. For Building Diagrams 6–9 with permanent flood oper the next higher floor (elevation C2.b in the diagrams) of the building is	nings provided in Se	ection A Items 8 and/	_	-2 of Instructions), r ☐ below the HAG.
E3. Attached garage (top of slab) is	100	feet met		r below the HAG.
E4. Top of platform of machinery and/or equipment servicing the building is			_	
E5. Zone AO only: If no flood depth number is available, it	s the top of the botto	om floor elevated in a	accordance with th	r ☐ below the HAG. ne community's nation in Section G.
SECTION F - PROPERTY OWNER			·	20-244
The property owner or owner's authorized representative v community-issued BFE) or Zone AO must sign here. The s	vho completes Section	ons A B and F for 2	Zone A (without a	EEMA issued or
Property Owner or Owner's Authorized Representative's N				7 my morroago.
Address	City	\$	State ·	ZIP Code
Signature	Date	Ţ	Telephone	
Comments				
			Check h	ere if attachments.

ELEVATION CERTIFICATE

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

IMPORTANT: in these spaces, copy the corre	esponding information (from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, St 5505 WELLINGTON AVENUE	uite, and/or Bldg. No.) or i	P.O. Route and Box No.	Policy Number:
City VENTNOR	State New Jersey	ZIP Code 08406	Company NAIC Number
SECTIO	N G - COMMUNITY INF	ORMATION (OPTIONAL)	20-244
The local official who is authorized by law or on Sections A, B, C (or E), and G of this Elevation used in Items G8–G10. In Puerto Rico only, en G1. The information in Section C was taken	Certificate. Complete the ter meters. en from other documenta	 applicable item(s) and sign tion that has been signed an 	below. Check the measurement nd sealed by a licensed surveyor,
engineer, or architect who is authorized data in the Comments area below.) G2. A community official completed Section	,		
or Zone AO.	- !	·	, ,
G3. The following information (Items G4-	G10) is provided for com	munity floodplain managem	ent purposes.
G4. Permit Number	G5. Date Permit Issued		Date Certificate of Compliance/Occupancy Issued
G7. This permit has been issued for:	New Construction S	ubstantial Improvement	
G8. Elevation of as-built lowest floor (including of the building:	basement)	feet	meters Datum
G9. BFE or (in Zone AO) depth of flooding at the	ne building site:	[] feet	meters Datum
G10. Community's design flood elevation:		feet	meters Datum
Local Official's Name Cauali en	7	Title C.F.V	~ .
Community Name	Т	elephone	
Ventron		609	823-7987
Signature	С	3-25-7) 1
Comments (including type of equipment and local	ation, per C2(e), if applica		
•			
			,
			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 information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.

5505 WELLINGTON AVENUE

City State ZIP Code VENTNOR New Jersey 08406

FOR INSURANCE COMPANY USE

FOR INSURANCE COMPANY USE

Company NAIC Number:

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.

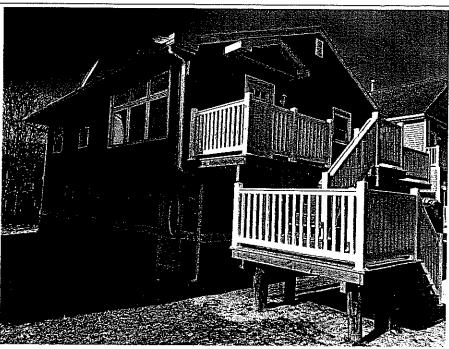


Photo One

Photo One Caption FRONT VIEW AND LEFT SIDE VIEW

20-244

Clear Photo One

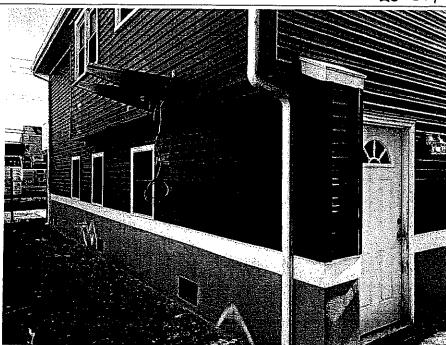


Photo Two

Photo Two Caption RIGHT SIDE VIEW

Clear Photo Two

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

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

IMPORTANT: In these spaces, o	FOR INSURANCE COMPANY USE Policy Number:		
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5505 WELLINGTON AVENUE			
City VENTNOR	State New Jersey	ZIP Code 08406	Company NAIC Number

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.

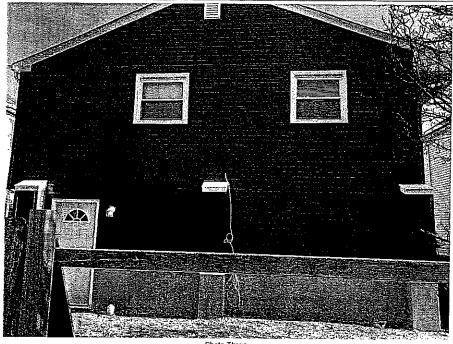


Photo Three Caption REAR VIEW

20-244

Clear Photo Three



Photo Four

Photo Four Caption SMART VENT MODEL 1540-510 TYPICAL OF 6

Clear Photo Four



ICC-ES Evaluation Report

ESR-2074

Reissued February 2021

This report is subject to renewal February 2023.

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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 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)†

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 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 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 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

TAB	LE 1	IM	ODE	L S	!ZES

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

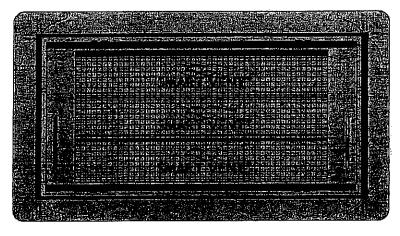


FIGURE 1-SMART VENT: MODEL 1540-510

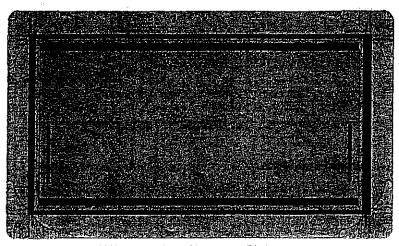


FIGURE 2-SMART VENT MODEL 1540-520

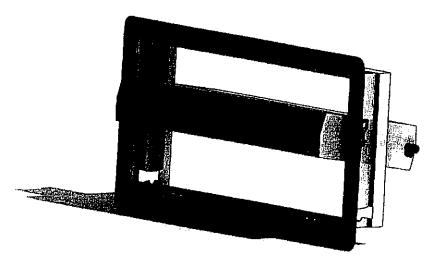


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN

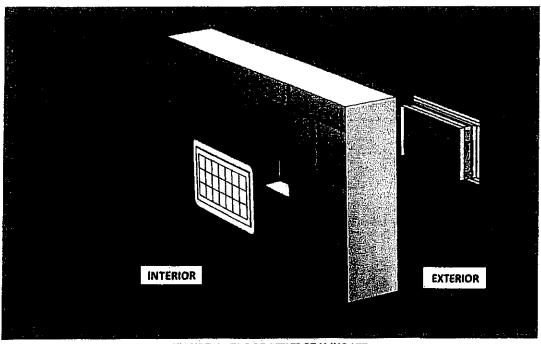


FIGURE 4—FLOOD VENT SEALING KIT



ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

Reissued February 2021

This report is subject to renewal February 2023.

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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 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.

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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:

- 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.

