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 CERTIFICATEIMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

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: GREAT SOUTHERN HOMES	Policy Number:			
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:	Company NAIC Number:			
440 HONEYHILL LOOP				
City: CONWAY State: SC	ZIP Code:29526			
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel NumLOT 54 GRISSETT LAKE LANDING, PIN# 340-03-01-0012	nber:			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): RESIDENTIAL				
A5. Latitude/Longitude: Lat. 33°51'37.29"N Long78°59'41.89" W Horizontal Datum: N	AD 1927 X NAD 1983 WGS 84			
A6. Attach at least two and when possible four clear photographs (one for each side) of the building	g (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 foot a Non-engineered flood openings: N/A Engineered flood openings: N/A	above adjacent grade:			
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 Instruction	ns): 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: _397 sq. ft.				
b) Is there at least one permanent flood opening on two different sides of the attached garage?	X Yes			
c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adja Non-engineered flood openings: <u>*1</u> Engineered flood openings: <u>*1</u>	cent grade:			
d) Total net open area of non-engineered flood openings in A9.c: *20.3 sq. in.				
e) Total rated area of engineered flood openings in A9.c (attach documentation - see Instruction	ns): <u>*200</u> sq. ft.			
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions):*220.3 sq. ft.				
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFOR	RMATION			
B1.a. NFIP Community Name: HORRY COUNTY B1.b. NFIP Community Idea	ntification Number: 450104			
B2. County Name: HORRY B3. State: SC B4. Map/Panel No.:	45051C0555 B5. Suffix: <u>K</u>			
B6. FIRM Index Date: 12/16/2021 B7. FIRM Panel Effective/Revised Date: 12/16/20	21			
B8. Flood Zone(s): *X B9. Base Flood Elevation(s) (BFE) (Zone AO, use E	Base Flood Depth): *N/A			
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: FIS FIRM Community Determined Other: SEE COMMENTS				
B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other	/Source:			
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?				
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? Yes X	No			

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route	e and Box No.:	FOR INSURANCE COMPANY USE				
440 HONEYHILL LOOP City: CONWAY State: SC ZIP Code	e: 29526	Policy Number:				
Oily. Olate. Other	Company NAIC Number:					
SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)						
C1. Building elevations are based on: Construction Drawings* Buil *A new Elevation Certificate will be required when construction of the build	ding Under Constructing is complete.	ion* X Finished Construction				
C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (v A99. Complete Items C2.a–h below according to the Building Diagram sperarchmark Utilized: SC VRS OBSERVATION Vertical Date of the Building Diagram Sperarchmark Utilized:						
Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 X NAVD 1988 Other:						
Datum used for building elevations must be the same as that used for the BFE. If Yes, describe the source of the conversion factor in the Section D Comments		sed? Yes X No Check the measurement used:				
a) Top of bottom floor (including basement, crawlspace, or enclosure floor	r): 19.8	X feet meters				
b) Top of the next higher floor (see Instructions):	N/A	X feet meters				
c) Bottom of the lowest horizontal structural member (see Instructions):	N/A	X feet meters				
d) Attached garage (top of slab):	18.5	X feet meters				
 e) Lowest elevation of Machinery and Equipment (M&E) servicing the buil (describe type of M&E and location in Section D Comments area): 	ding *19.2	X feet meters				
f) Lowest Adjacent Grade (LAG) next to building: Natural X Finish	hed 16.9	X feet meters				
g) Highest Adjacent Grade (HAG) next to building: Natural X Finish	hed17.6	X feet meters				
 Finished LAG at lowest elevation of attached deck or stairs, including support: 	tructural N/A	🌂 feet 🗌 meters				
SECTION D – SURVEYOR, ENGINEER, OR A	ARCHITECT CERT	IFICATION				
This certification is to be signed and sealed by a land surveyor, engineer, or ar information. I certify that the information on this Certificate represents my best false statement may be punishable by fine or imprisonment under 18 U.S. Cod	efforts to interpret the le, Section 1001.					
Were latitude and longitude in Section A provided by a licensed land surveyor?	? X Yes No					
Check here if attachments and describe in the Comments area.						
Certifier's Name: WALTER B. SHEETS License Number	: <u>L-26959</u>	- munimum				
Title: LAND SURVEYOR CAROLINIA CAROL						
Company Name: RLA ASSOCIATES, PA		- TO SECRESSION OF THE PROPERTY OF THE PROPERT				
Address: 14323 OCEAN HIGHWAY, STE 4139		_ \$\frac{1}{2} \rightarrow				
City: PAWLEYS ISLAND State: SC ZIF	P Code: 29585					
Signature: Walter B. Sheets D	ate: 12/05/2023	JER B. SHILITING				
Telephone: 843-879-9091 Ext.: 405 Email: BRAD@RLAPLS.0						
Copy all pages of this Elevation Certificate and all attachments for (1) community o						
Comments (including source of conversion factor in C2; type of equipment and	l location per C2.e; ar	nd description of any attachments):				

*SMART VENT ESR ATTACHED.

*C2. e) HVAC UNIT. ELEVATION SHOT ON TOP OF HVAC RISER.

^{*}A9. c-f). ONE SMART VENT MODEL#1540-520 CERTIFIED TO COVER 200 SQ.FT. AND ON NON-ENGINNEERED FLOOD VENT PROVIDING 20.3 SQ.IN. OF FLOOD

OPENING INSTALLED FOR A TOTAL NET AREA OF 220.3 SQ.IN OF FLOOD OPENINGS.
*B8, B9 & B10. STRUCTURE AND LOT APPEAR TO BE LOCATED IN FLOOD ZONE X PER FEMA LOMR CASE No. 22-04-2329A DATED 06/08/2022. PER HORRY COUNTY GIS MAP, STRUCTURE AND LOT APPEAR TO LIE IN AN HORRY COUNTY SUPPLEMENTAL FLOOD ZONE WITH A BFE OF 17.0'.

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

		FOR INSURANCE COMPANY USE			
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. 440 HONEYHILL LOOP					
City: CONWAY State: SC ZIP	Policy Number:				
		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 BFE), complete Items E1–E5. For Items E1–E4, use natural grade, if available. If the Certificate is intended to support a Letter of Map Change request, complete Sections A, B, and C. Check the measurement used. In Puerto Rico only, enter meters.					
Building measurements are based on: Construction Drawings* A new Elevation Certificate will be required when construction of the build	_	n* Finished Construction			
E1. Provide measurements (C.2.a in applicable Building Diagram) for the measurement is above or below the natural HAG and the LAG.	e following and check the a	ppropriate boxes to show whether the			
a) Top of bottom floor (including basement, crawlspace, or enclosure) is:		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 openings provided next higher floor (C2.b in applicable	in Section A Items 8 and/or	9 (see pages 1–2 of Instructions), the			
Building Diagram) of the building is:	feet meters	above or below the HAG.			
E3. Attached garage (top of slab) is:	leet left meters	above or below the HAG.			
E4. 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, is the top of the floodplain management ordinance? Yes No Unknown		ccordance with the community's ust certify this information in Section G.			
SECTION F – PROPERTY OWNER (OR OWNER'S AUT	THORIZED REPRESEN	TATIVE) CERTIFICATION			
The property owner or owner's authorized representative who completes sign here. The statements in Sections A, B, and E are correct to the best		one A (without BFE) or Zone AO must			
Check here if attachments and describe in the Comments area.					
Property Owner or Owner's Authorized Representative Name:					
Address:	_				
City:	State:	ZIP Code:			
Signature:	Date:				
Telephone: Ext.: Email:					
Comments:					

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

			FOR INSI	JRANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or 440 HONEYHILL LOOP	Bldg. No.) or P.O. Route an	d Box No.:		
City: CONWAY State	e: SC ZIP Code: 2	29526	Policy Nun	
	N /DEGGMMENDED EGG			NAIC Number:
SECTION G – COMMUNITY INFORMATIO	•			•
The local official who is authorized by law or ordinance Section A, B, C, E, G, or H of this Elevation Certificate.				dinance can complete
G1. The information in Section C was taken from engineer, or architect who is authorized by elevation data in the Comments area below	state law to certify elevation			
G2.a. A local official completed Section E for a bu E5 is completed for a building located in Zo		hout a BFE), Zor	ne AO, or Zor	ne AR/AO, or when item
G2.b. A local official completed Section H for insur	ance purposes.			
G3.	al official describes specific	corrections to th	e information	in Sections A, B, E and H.
G4.	s provided for community flo	oodplain manage	ement purpos	es.
G5. Permit Number: <u>165449</u>	G6. Date Permit Issued:	06/22/2023		
G7. Date Certificate of Compliance/Occupancy Issue	ed:	_		
G8. This permit has been issued for: New Cons	struction \square Substantial Im	provement		
G9.a. Elevation of as-built lowest floor (including base building:	ment) of the	feet	meters	Datum:
G9.b. Elevation of bottom of as-built lowest horizontal member:	structural	feet	meters	Datum:
G10.a. BFE (or depth in Zone AO) of flooding at the bu	Ilding site:	feet	meters	Datum:
G10.b. Community's minimum elevation (or depth in Zo requirement for the lowest floor or lowest horizo member:	ne AO) ntal structural	☐ feet	☐ meters	Datum:
G11. Variance issued? ☐ Yes ☒ No If yes, at	tach documentation and de			
The local official who provides information in Section G correct to the best of my knowledge. If applicable, I have				
Local Official's Name: Lauren Harrelson, CFM	Title	: Flood Haza	ard Reducti	ion Control Officer
NFIP Community Name:				
Address:				
City:			ZIP Co	ode:
Signature: Lauren Harrelson	Date:	12/08/2023		
Comments (including type of equipment and location, p Sections A, B, D, E, or H):	er C2.e; description of any a	attachments; and	d corrections t	to specific information in

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Building Street Address (including Apt 440 HONEYHILL LOOP	., Unit, Suite, and/or Bl	dg. No.) or P.O. Route and E	Box No.:	FOR INSURANCE COMPANY USE	
City: CONWAY	State:	SC ZIP Code: 295	526	Policy Number:	
,				Company NAIC Number:	
SECTION H – BUILDING'S FIRST FLOOR HEIGHT INFORMATION FOR ALL ZONES (SURVEY NOT REQUIRED) (FOR INSURANCE PURPOSES ONLY)					
The property owner, owner's authorized representative, or local floodplain management official may complete Section H for all flood zones to determine the building's first floor height for insurance purposes. Sections A, B, and I must also be completed. Enter heights to the nearest tenth of a foot (nearest tenth of a meter in Puerto Rico). Reference the Foundation Type Diagrams (at the end of Section H Instructions) and the appropriate Building Diagrams (at the end of Section I Instructions) to complete this section.					
H1. Provide the height of the top of	the floor (as indicated	in Foundation Type Diagra	ms) above the	Lowest Adjacent Grade (LAG):	
 a) For Building Diagrams 1A, floor (include above-grade floor subgrade crawlspaces or enclose 	s only for buildings wit		_	meters above the LAG	
b) For Building Diagrams 2A, higher floor (i.e., the floor above enclosure floor) is:			_	meters above the LAG	
H2. Is all Machinery and Equipment H2 arrow (shown in the Founda Yes No				ed to or above the floor indicated by the propriate Building Diagram?	
SECTION I – PROPER	TY OWNER (OR O	WNER'S AUTHORIZED	REPRESEN	TATIVE) CERTIFICATION	
	f my knowledge. Note			t sign here. The statements in Sections ial completed Section H, they should	
Check here if attachments are pr	ovided (including requ	ired photos) and describe	each attachme	nt in the Comments area.	
Property Owner or Owner's Authoriz	ad Damma and disca Na	me.			
1 Topolity Owner of Owner 3 Authoriz	ed Representative Na	······			
Address:	·				
Address:	·		State:	ZIP Code:	
Address:			State:	ZIP Code:	
Address: City: Signature:		Date:	State:	ZIP Code:	
Address: City: Signature: Telephone:			State:	ZIP Code:	
Address: City: Signature:		Date:	State:	ZIP Code:	
Address: City: Signature: Telephone:		Date:	_ State:	ZIP Code:	
Address: City: Signature: Telephone:		Date:	_ State:	ZIP Code:	
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Address: City: Signature: Telephone:		Date:	_ State:	ZIP Code:	
Address: City: Signature: Telephone:		Date:	State:	ZIP Code:	
Address: City: Signature: Telephone:		Date:	State:	ZIP Code:	

ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19 BUILDING PHOTOGRAPHS

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:			FOR INSURANCE COMPANY USE	
440 HONEYHILL LOOP City: CONWAY	State: SC	ZIP Code:	29526	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 Caption: FRONT LEFT VIEW 12/05/2023

Clear Photo One



Photo Two Caption: FRONT RIGHT VIEW 12/05/2023

Clear Photo Two

ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19 BUILDING PHOTOGRAPHS

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:				FOR INSURANCE COMPANY USE
2440 HONEYHILL LOOP City: CONWAY	State: SC	ZIP Code:	29526	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 Caption: REAR RIGHT VIEW 12/05/2023

Clear Photo Three



Photo Four Caption: REAR LEFT VIEW 12/05/2023

Clear Photo Four



ENGINEERED FLOOD VENT IN SIDE OF GARAGE FOUNDATION



ENGINEERED FLOOD VENT MODEL NUMBER



NON-ENGINEERED FLOOD VENT IN GARAGE DOOR



BACK OF NON-ENGINEERED FLOOD VENT





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ESR-2074

Reissued 02/2021 Revised 04/2021 This report is subject to renewal 02/2023.

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



"2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence"



this

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ESR-2074

Reissued February 2021 Revised April 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:

- 2021, 2018, 2015, 2012, 2009 and 2006 International Building Code[®] (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 International Residential Code[®] (IRC)
- 2021, 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 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. 430 ANDBRO DRIVE, UNIT 1 PITMAN, NEW JERSEY 08071 (877) 441-8368

www.smartvent.com info@smartvent.com

TABLE 1—MODEL SIZES

MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)
FloodVENT®	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

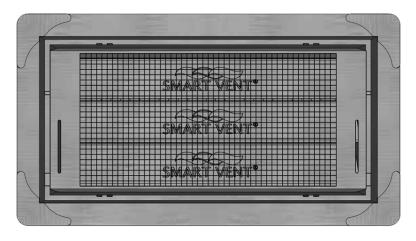


FIGURE 1—SMART VENT: MODEL 1540-510

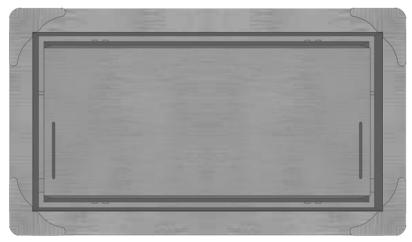


FIGURE 2—SMART VENT MODEL 1540-520



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

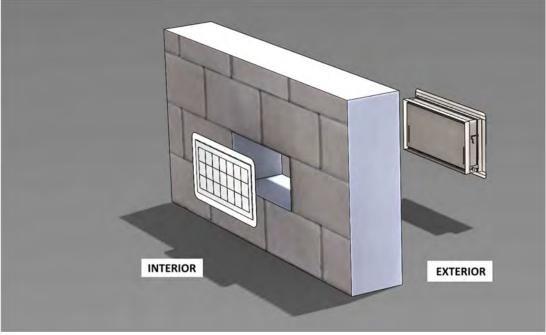


FIGURE 4—FLOOD VENT SEALING KIT



ESR-2074 CBC and CRC Supplement

Reissued February 2021 Revised April 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; #1540-524; #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) and 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 2021 and revised April 2021.





ESR-2074 FBC Supplement

Reissued February 2021 Revised April 2021 This report is subject to renewal February 2023.

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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 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 2021 and revised April 2021.

