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.

	SEC	TION A - PROPERTY	INFOR	MATION		FOR INSUR	RANCE COMPANY USE
A1. Building Owne				-		Policy Numb	per:
John and Lisa Millig						<u></u>	
A2. Building Street Box No. 11007 Third Avenue	·	cluding Apt., Unit, Suit	.e, and/o	r Bldg. No.) o	r P.O. Route and	Company N	AIC Number:
City				State		ZIP Code	
Stone Harbor	oe Pr	-		New Jer	-	08247	
A3. Property Desci Block 110.04 Lot 8	iption (Lot a	ind Block Numbers, Te	x Parcel	l Number, Le	gal Description, et	c.)	
A4. Building Use (e	e.g., Resider	ntial, Non-Residential,	Addition	, Accessory,	etc.) Residenti	al	
A5. Latitude/Longit	ude: Lat. <u>N</u>	l 39°02'40.19"	Long. V	V 074°46'06.9	5" Horizonta	I Datum: 🔲 NAD 1	927 × NAD 1983
A6. Attach at least	2 photograp	hs of the building if the	e Certific	ate is being t	 sed to obtain floo	d insurance.	
A7. Building Diagra	m Number	8					
A8. For a building v	vith a crawls	space or enclosure(s):					
a) Square foot	age of crawl	Ispace or enclosure(s)			185.00 sq ft		
b) Number of p	ermanent flo	ood openings in the cra	awispac	e or enclosure	e(s) within 1.0 fool	t above adjacent gra	de 10
		penings in A8.b		2000.00 sq in			=======================================
d) Engineered	flood openir	ngs? ☐ Yes ☒ N	do.				
•							
A9. For a building w				51/4 0			
a) Square foots	age of attach	ned garage		N/A sq ft			
கை b), eNumber of p	ermanent flo	ood openings in the att	ached g	arage within	1.0 foot above adj	acent grade N/A	
c) Total net are	a of flood of	penings in A9.b		N/A sq	in		
d) Engineered	flood openin	ıgs? ☐ Yes ⊠ N	10				
							- <u></u>
		CTION B - FLOOD I	NSURA	 		ORMATION	
B1. NFIP Community Borough of Stone H				B2. County Cape May	Name		B3. State New Jersey
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	Effe	RM Panel ective/ vised Date	B8. Flood Zone(s)	B9. Base Flood El (Zone AO, use	evation(s) Base Flood Depth)
34009C242	F	10-05-2017	10-05-2		AE	8 & 9	
B10. Indicate the so	ource of the	Base Flood Elevation	(BFE) da	ata or base flo	ood depth entered	l in Item B9:	
☐ FIS Profile	X FIRM	Community Determ	mined [Other/Sou	rce:		
B11. Indicate eleva	tion datum t	used for BFE in Item B	9; 🔲 N	GVD 1929	X NAVD 1988	Other/Source:	
B12. Is the building	located in a	ı Coastal Barrier Reso	urces Sy	stem (CBRS	area or Otherwis	se Protected Area (C	PPA)? ☐ Yes ☒ No
ਹਿਲ Designation D				OPA		·	,
		 _					
194 ₁							

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

FOR INSURANCE COMPANY USE
Policy Number:
Company NAIC Number
EQUIRED)
ction* Finished Construction AE, AR/A1–A30, AR/AH, AR/AO. Rico only, enter meters.
Check the measurement used.
6.3 X feet meters
11.3 X feet meters
N/A X feet meters
N/A X feet meters
11.3 X feet meters
5.5 X feet meters
6.3 X feet meters
5.5 × feet meters
CATION
law to certify elevation information. ble. I understand that any false Check here if attachments.
Place
Seal
Here
Ext.
agent/company, and (3) building owner.
ng. All vents are "SMART VENT"

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

IMPORTANT: In	these spaces, copy the co	orresponding information	from Section A.	FOR INSURA	NCE COMPANY USE
Building Street A	Address (including Apt., Unit	, Suite, and/or Bldg. No.) or	P.O. Route and Box No.	Policy Number	er:
City ner		State	ZIP Code	Company NA	IC Number
Stone Harbor		New Jersey	08247	Company NA	ic Number
1837	SECTION E – BUII	LDING ELEVATION INFO FOR ZONE AO AND ZON	RMATION (SURVEY N E A (WITHOUT BFE)	OT REQUIRED)	
For Zones AO a complete Section enter meters.	ind A (without BFE), complet ins A, B,and C. For Items E1	e Items E1–E5. If the Certifi –E4, use natural grade, if av	cate is intended to supportational categories. Check the measure and the categories are categories.	ort a LOMA or LOM surement used. In F	IR-F request, Puerto Rico only,
the highest	vation information for the foll adjacent grade (HAG) and to nottom floor (including baser	he lowest adjacent grade (L	oriate boxes to show who AG).	ether the elevation	is above or below
crawlsp	ace, or enclosure) is	·	[] feet [] m	eters 🗌 above o	or Delow the HAG.
p) Lop of b	ottom floor (including basen ace, or enclosure) is	nent,	[] feet [] m	eters 🔲 above o	or Delow the LAG.
the next hig	Diagrams 6–9 with perman ther floor (elevation C2.b in	ent flood openings provided			
A STATE OF THE STA	ns) of the building is arage (top of slab) is				or below the HAG. or below the HAG.
_	orm of machinery and/or equ	uipment		ereis 🔲 anove r	Di Delow tile HAG.
servicing th	e building is				or below the HAG.
E5. Zone AO or floodplain n	nly: If no flood depth number nanagement ordinance?	is available, is the top of the Yes No Unkno	e bottom floor elevated in wn. The local official m	n accordance with t ust certify this infor	he community's mation in Section G.
	SECTION F - PROPI	ERTY OWNER (OR OWNE	R'S REPRESENTATIVE) CERTIFICATION	712.
The property ow community-issue	ner or owner's authorized re ed B長舞焱。Zone AO must si	presentative who completes gn here. The statements in t	s Sections A, B, and E fo Sections A, B, and E are	r Zone A (without a correct to the best	FEMA-issued or of my knowledge.
Property Owner	or Owner's Authorized Repr	esentative's Name			, va
Address di	er all the second of the secon	(City	State	ZIP Code
Signature		С	Date	Telephone	19 YERIA
Comments		- Over Cold and American			AV.
Miles of a	REE) on (
1.1					
'ress					
4.					
200					

(A. 12. 12)

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

IMPORTANT: In these spaces, copy the co			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, 11007 Third Avenue	Suite, and/or Bldg. No.) or	P.O. Route and Box No.	Policy Number:
City Stone Harbor	State New Jersey	ZIP Code 08247	Company NAIC Number
SECT	ION G - COMMUNITY INF	ORMATION (OPTIONAL)
The local official who is authorized by law or sections A, B, C (or E), and G of this Elevation used in Items G8–G10. In Puerto Rico only, e	on Certificate. Complete the enter meters.	e applicable item(s) and si	gn below. Check the measurement
data in the Comments area below.)	ized by law to certify elevat	tion information. (Indicate	the source and date of the elevation
G2. A community official completed Second Zone AO.	tion E for a building located	d in Zone A (without a FEI	MA-issued or community-issued BFE)
G3. The following information (Items G4	⊢G10) is provided for com	munity floodplain manager	ment purposes.
G4. Permit Number	G5. Date Permit Issued	G6.	Date Certificate of Compliance/Occupancy Issued
20-022	1/14/2021	0	10/16/2020
G7. This permit has been issued for:	X New Construction ☐ S	ubstantial Improvement	
G8. Elevation of as-built lowest floor (includir of the building:	ng basement) // /	3 ⊠ fee	et meters Datum NAVD88
G9. SFE or (in Zone AO) depth of flooding at			et T meters Datum NAVD 88
G10. Community's design flood elevation:	Higher of BF	E+2 or 11 1 fee	et meters Datum NAVD88
Local Official's Name		Title	101 - M
Kaynond Pousiner Community Name	<u>Constructi</u>	on Official/Floa Telephone	d Plain Manager
Borough of Stone Harbar		368-6814	
Signature	_ C	Date	
_ Ties		17000	
Comments (including type of equipment and lo	cation, per C2(e), if applica	able)	
βt.			
10. per			
at the			
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16+-			
M. Gr			Check here if attachments.

BUILDING PHOTOGRAPHS

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

ELEVATION CERTIFICATE

See Instructions for Item A6.

IMPORTANT: In these spaces, c	opy the corresponding information	from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including 11007 Third Avenue	Apt., Unit, Suite, and/or Bldg. No.) or	P.O. Route and Box No.	Policy Number:
City	State	ZIP Code	Company NAIC Number
Stone Harbor	New Jersey	08247	

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 (10/09/2020)

using ructi

Clear Photo One

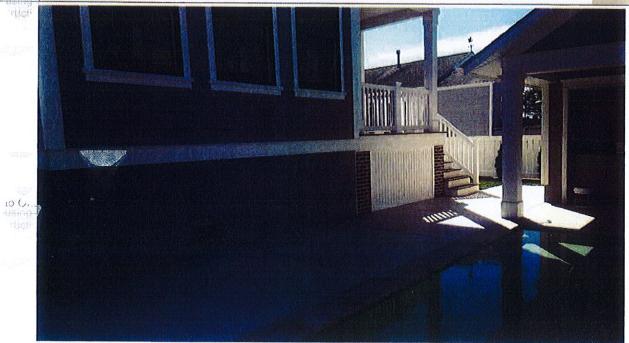


Photo Two

Photo Two Caption REAR VIEW (10/09/2020)

Clear Photo Two

BUILDING PHOTOGRAPHS

Continuation Page

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

IMPORTAŅT: In these spaces, copy ti	ne corresponding information	from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., 11007 Third Avenue	Unit, Suite, and/or Bldg. No.) or	P.O. Route and Box No.	Policy Number:
City Stone Harbor	State New Jersey	ZIP Code 08247	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 TYPICAL VENT (10/09/2020)

Clear Photo Three

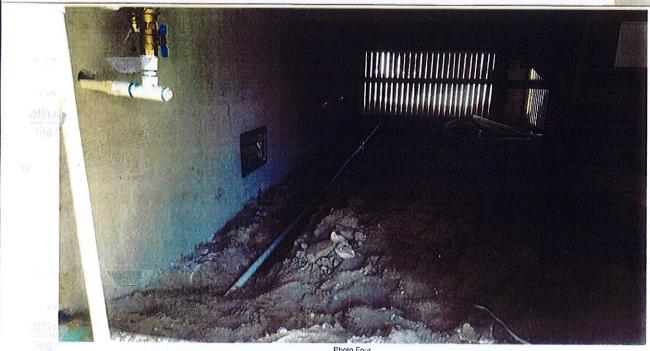


Photo Four Caption VIEW UNDER FRONT DECK (10/09/2020)

Clear Photo Four



ICC-ES Evaluation Report

ESR-2074

Reissued February 2019

This report is subject to renewal February 2021.



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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)[†]

¹The 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

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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 could could be used 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

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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.





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.

- (声) 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 Went 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 Went 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

TABLE 1—MODEL SIZES

16 MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)
FloodVENT [®]	1540-520	15 ³ / ₄ " × 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

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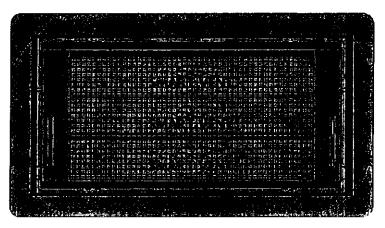


FIGURE 1-SMART VENT: MODEL 1540-510