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 - PROPERT	Y INFOR	MATION			FOR INSUF	RANCE COMPANY USI
A1. Building Owner's Name Frank Esposito			Policy Num	ber:			
A2. Building Street Addres Box No.285 West 82nd street	s (including Apt., Unit, Sui	ite, and/o	or Bldg. No.) o	or P.O. R	oute and	Company N	AIC *:amber:
City Stone Harbor			State New Jer	sey		ZIP Code 08247	
A3. Property Description (I Block 82.03 Lots 116.04, 1		ax Parce	l Number, Le	gal Desc	ription, etc.)		
A4. Building Use (e.g., Res	sidential, Non-Residential,	Addition	, Accessory,	etc.) I	Residential		
A5. Latitude/Longitude: L	at. 39° 03' 47"	Long. 7	4° 45' 10"		Horizontal D	atum: NAD 1	927 🗵 NAD 1983
A6. Attach at least 2 photo	graphs of the building if th	e Certific	ate is being u	used to o	btain flood ir	nsurance.	
A7. Building Diagram Num	per8						
A8. For a building with a cr	awlspace or enclosure(s):						
a) Square footage of c	rawlspace or enclosure(s))		1389.00	sq ft		
b) Number of permane	nt flood openings in the cr	rawlspace	e or enclosur	e(s) withi	n 1.0 foot ab	oove adjacent gra	de <u>5</u>
c) Total net area of floo	od openings in A8.b	1	1968.00 sq ir	1			
d) Engineered flood op	penings? X Yes X	No					
A9. For a building with an a	ttached garage:						
	ttached garage		sa fl				
					havo adioa	ant grada	
	nt flood openings in the at				ibove adjace	ent grade	
	od openings in A9.b		sq	ın			
d) Engineered flood op	enings? 🗌 Yes 💢 N	No					
	SECTION B - FLOOD	INSURA	NCE RATE	MAP (F	RM) INFOR	RMATION	
B1. NFIP Community Name Stone Harbor 345323	& Community Number		B2. County Cape May	Name			B3. State New Jersey
B4. Map/Panel B5. Su Number	ffix B6. FIRM Index Date	Effe	RM Panel ective/ vised Date	B8. Flo Zone(s	od E	39. Base Flood E (Zone AO, use	evation(s) Base Flood Depth)
34009C0234F F	10-05-2017	10-05-2		AE	9	ľ	
B10. Indicate the source of ☐ FIS Profile ☒ FIF	the Base Flood Elevation				n entered in	Item B9:	
B11. Indicate elevation date	um used for BFE in Item B	9: N	GVD 1929	× NAVE	1988 🗌	Other/Source:	
B12. Is the building located	in a Coastal Barrier Reso	ources Sy	stem (CBRS) area or	Otherwise F	Protected Area (C	PA)? Tyes X No
Designation Date:		CBRS	OPA				

ELEVATION CERTIFICATE 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. Policy Number: 285 West 82nd street City Company NAIC Number State ZIP Code Stone Harbor 08247 New Jersey SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED) C1. Building elevations are based on: Construction Drawings* Building Under Construction* | Finished Construction *A new Elevation Certificate will be required when construction of the building is complete. C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: #1 Vertical Datum: 1929 Indicate elevation datum used for the elevations in items a) through h) below. ☐ NGVD 1929 🔀 NAVD 1988 ☐ Other/Source: Datum used for building elevations must be the same as that used for the BFE. Check the measurement used. a) Top of bottom floor (including basement, crawlspace, or enclosure floor) X feet meters 9.1 X feet meters b) Top of the next higher floor N/A X feet meters c) Bottom of the lowest horizontal structural member (V Zones only) N/A |X | feet meters d) Attached garage (top of slab) e) Lowest elevation of machinery or equipment servicing the building 8.4 meters X feet (Describe type of equipment and location in Comments) f) Lowest adjacent (finished) grade next to building (LAG) 4.3 X feet meters g) Highest adjacent (finished) grade next to building (HAG) 4.8 X feet meters h) Lowest adjacent grade at lowest elevation of deck or stairs, including 3.9 X feet meters structural support SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false 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? Yes No Check here if attachments. Certifier's Name License Number Gary Lee Thomas 23921 Professional Land Surveyor Company Name Thomas*Amey*Shaw, Inc. Address 2900 Dune Drive Ste 8 City State ZIP Code Avalon 08202 New Jersey Signature Date Telephone Ext (609) 967-3999 12-15-2020 Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner. Comments (including type of equipment and location, per C2(e), if applicable) A8(c) (3) smartvents model # 1540-510 (2) screens for 1368 square inches C2(e) HVAC Platform

OMB No. 1660-0008

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corresponding	information from Secti	on A.	FOR INSURANCE COMPANY USE			
Building Street Address (including Apt., Unit, Suite, and/or	Bldg. No.) or P.O. Route	and Box No.	Policy Number:			
285 West 82nd street						
City Stat	e ZIP C	ode	Company NAIC Number			
Oily	Jersey 08247	7				
SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)						
5 . 7 AO and A (without BEE), complete Items E1 E	5. If the Certificate is inte	nded to support a	LOMA or LOMR-F request,			
complete Sections A, B,and C. For Items E1–E4, use natu	rai grade, il avallable. Ci	leck the measure	mone dood. III. delie v alle v			
 E1. Provide elevation information for the following and che the highest adjacent grade (HAG) and the lowest adjacent grade (HAG) and the lowest adjacent grade (HAG) and the lowest adjacent grade (HAG). 	eck the appropriate boxe acent grade (LAG).	s to show whethe				
crawlspace, or enclosure) is	,	feet meter	rs above or below the HAG.			
b) Top of bottom floor (including basement, crawlspace, or enclosure) is		☐ feet ☐ meter				
E2. For Building Diagrams 6–9 with permanent flood oper	nings provided in Section	A Items 8 and/or	9 (see pages 1-2 of Instructions),			
the next higher floor (elevation C2.b in the diagrams) of the building is		☐ feet ☐ meter				
E3. Attached garage (top of slab) is		feet meter	rs above or below the HAG.			
E4. Top of platform of machinery and/or equipment servicing the building is		feet meter				
E5. Zone AO only: If no flood depth number is available, i floodplain management ordinance?	s the top of the bottom floo Unknown. The I	oor elevated in ac ocal official must	cordance with the community's certify this information in Section G.			
SECTION F - PROPERTY OWNER	R (OR OWNER'S REPR	ESENTATIVE) C	ERTIFICATION			
SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.						
Property Owner or Owner's Authorized Representative's N						
Address	City	St	tate ZIP Code			
Signature	Date	Te	elephone			
Comments						

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corn	esponding information from	n Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, S	uite, and/or Bldg. No.) or P.C	. Route and Box No.	Policy Number:
285 West 82nd street			
City	State	ZIP Code	Company NAIC Number
Stone Harbor	New Jersey	08247	
SECTION	ON G - COMMUNITY INFOR	MATION (OPTIONAL)	
The local official who is authorized by law or o Sections A, B, C (or E), and G of this Elevation used in Items G8–G10. In Puerto Rico only, er	n Certificate. Complete the ap	mmunity's floodplain ma plicable item(s) and sigr	nagement ordinance can complete n below. Check the measurement
G1. The information in Section C was takengineer, or architect who is authorized data in the Comments area below.)	zed by law to certify elevation	information. (Indicate th	e source and date of the elevation
G2. A community official completed Sect or Zone AO.	ion E for a building located in	Zone A (without a FEM	A-issued or community-issued BFE)
G3. The following information (Items G4-	-G10) is provided for commu	nity floodplain managem	ent purposes.
G4. Permit Number	G5. Date Permit Issued	G6. I	Date Certificate of Compliance/Occupancy Issued
G7. This permit has been issued for:	New Construction ☐ Sub	stantial Improvement	
G8. Elevation of as-built lowest floor (includin of the building:	g basement)	[] feet	meters Datum
G9. BFE or (in Zone AO) depth of flooding at	the building site:	feet	meters Datum
G10. Community's design flood elevation:		feet	meters Datum
Local Official's Name	Title		
Community Name	Tel	ephone	
Signature	Dat	9	
	tion and CO(a) if contingal	a)	
Comments (including type of equipment and lo	cation, per C2(e), ir applicabl	e)	
			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.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number:
285 West 82nd street	

Company NAIC Number ZIP Code State

08247 Stone Harbor New Jersey

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.

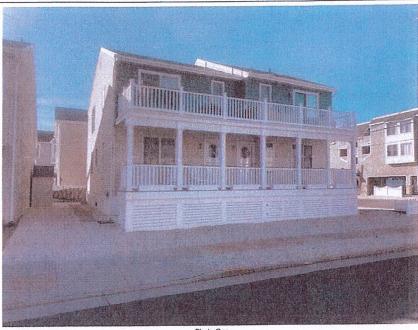


Photo One

Photo One Caption 12-15-2020 front Clear Photo One

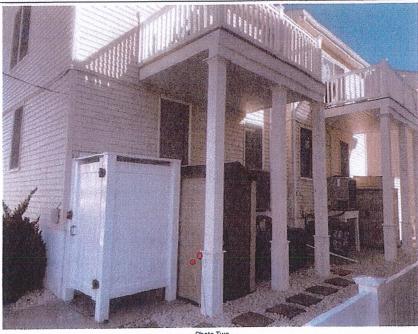


Photo Two

12-15-2020 rear Photo Two Caption

Clear Photo Two

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

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

		0	
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. 285 West 82nd street			Policy Number:
City	State	ZIP Code	Company NAIC Number
Stone Harbor	New Jersey	08247	

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

Photo Three Caption 12-15-2020 vent

Clear Photo Three



Photo Four Caption 12-15-2020 vent

Clear Photo Four

Photo Four

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

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. 285 West 82nd street			
City	State	ZIP Code	Company NAIC Number
Stone Harbor	New Jersey	08247	

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

Photo Three Caption 12-15-2020 vent

Clear Photo Three

Photo Four

Photo Four Caption

Clear Photo Four

DIAGRAM 7

All buildings elevated on full-story foundation walls with a partially or fully enclosed area below the elevated floor. This includes walkout levels, where at least 1 side is at or above grade. The principal use of this building is located in the elevated floors of the building.

Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings** present in the walls of the enclosure. Indicate information about enclosure size and openings in Section A – Property Information.

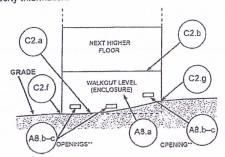


DIAGRAM 8

All buildings elevated on a crawlspace with the floor of the crawlspace at or above grade on at least 1 side, with or without an attached garage.

Distinguishing Feature – For all zones, the area below the first floor is enclosed by solid or partial perimeter walls. In all A zones, the crawlspace is with or without openings** present in the walls of the crawlspace. Indicate information about crawlspace size and openings in Section A – Property Information.

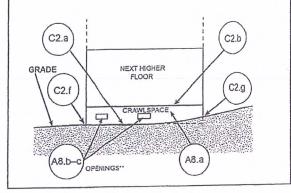
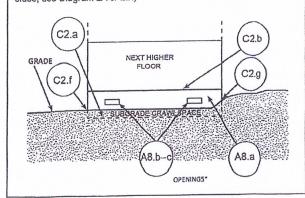


DIAGRAM 9

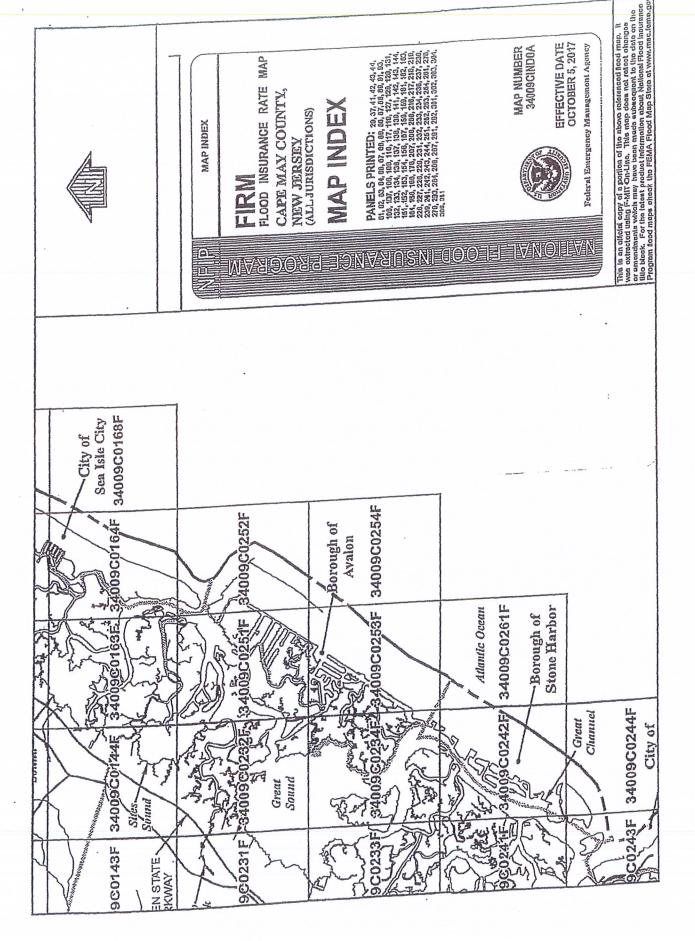
All buildings (other than split-level) elevated on a subgrade crawlspace, with or without attached garage.

Distinguishing Feature – The bottom (crawlspace) floor is below ground level (grade) on all sides.* (If the distance from the crawlspace floor to the top of the next higher floor is more than 5 feet, or the crawlspace floor is more than 2 feet below the grade [LAG] on all sides, use Diagram 2A or 2B.)



- A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.
- ** An "opening" is a permanent opening that allows for the free passage of water automatically in both directions without human intervention.

 Under the NFIP, a minimum of 2 openings is required for enclosures or crawlspaces. The openings shall provide a total net area of not less than 1 square inch for every square foot of area enclosed, excluding any bars, louvers, or other covers of the opening. Alternatively, an Individual Engineered Flood Openings Certification or an Evaluation Report issued by the International Code Council Evaluation Service (ICC ES) must be submitted to document that the design of the openings will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening; openings may be installed in doors. Openings shall be on at least 2 sides of the enclosed area. If a building has more than 1 enclosed area, each area must have openings to allow floodwater to directly enter. The bottom of the openings must be no higher than 1.0 foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.

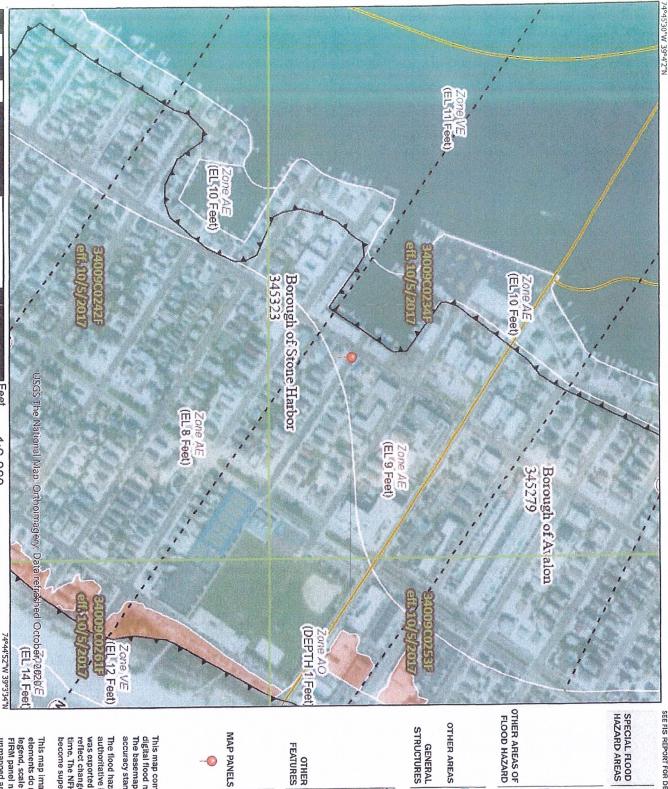


National Flood Hazard Layer FIRMette









SPECIAL FLOOD HAZARD AREAS Regulatory Floodway With BFE or Depth Zone AE, AO, AH, VE, AR Without Base Flood Elevation (BFE)
Zone A, V, A99

of 1% annual chance flood with average depth less than one foot or with drainag. 0.2% Annual Chance Flood Hazard, Area

Area with Flood Risk due to Levee Zone D Levee. See Notes. Zane X

Area with Reduced Flood Risk due to Chance Flood Hazard Zone X Future Conditions 1% Annual areas of less than one square mile Zone

No screen Area of Minimal Flood Hazard Zone X Effective LOMRs

---- Channel, Culvert, or Storm Sewer

Area of Undetermined Flood Hazard Zone

Base Flood Elevation Line (BFE) Water Surface Elevation Cross Sections with 1% Annual Chance Coastal Transect

Hydrographic Feature Digital Data Available

Profile Baseline Coastal Transect Baseline Jurisdiction Boundary Limit of Study

Unmapped No Digital Data Available

The pin displayed on the map is an approximate point selected by the user and does not represe an authoritative properly location.

accuracy standards This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below.

The basemap shown complies with FEMA's basemap

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/16/2020 at 10:01 AM and does not reflect changes or amendments subsequent to this date and become superseded by new data over time. time. The NFHL and effective information may change or

elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, regulatory purposes unmapped and unmodernized areas cannot be used for FIRM panel number, and FIRM effective date. Map images for This map image is void if the one or more of the following map

250

500

1,000

1,500

2,000 Feet

1:6,000



Most Widely Accepted and Trusted

ICC-ES Evaluation Report

ICC-ES | (800) 423-6587 | (562) 699-0543 | www.icc-es.org

ESR-2074

Reissued 02/2019

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"

A Subsidiary of

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.





ICC-ES Evaluation Report

ESR-2074

Reissued February 2019

This report is subject to renewal February 2021.

www.icc-es.org | (800) 423-6587 | (562) 699-0543

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 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 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

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

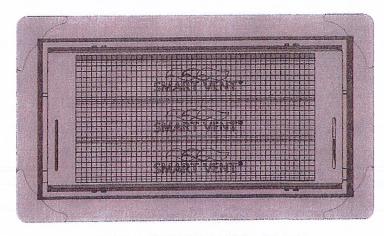


FIGURE 1-SMART VENT: MODEL 1540-510

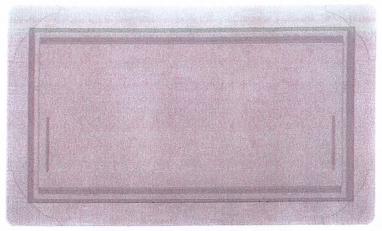


FIGURE 2—SMART VENT MODEL 1540-520

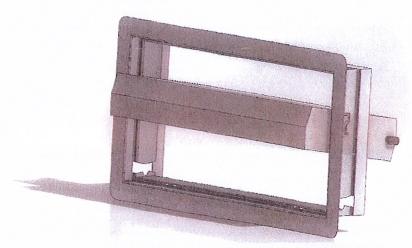


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN

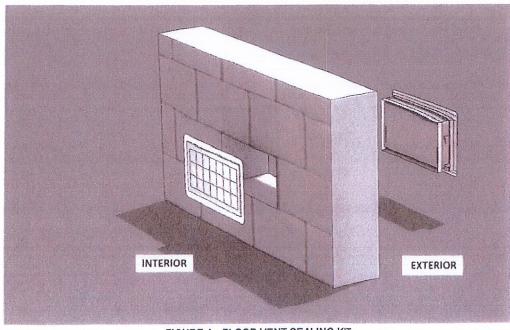


FIGURE 4-FLOOD VENT SEALING KIT



ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

Reissued February 2019

This report is subject to renewal February 2021.

www.icc-es.org | (800) 423-6587 | (562) 699-0543

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, recognized in ICC-ES master 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 master 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 master report and the additional requirements of CBC Chapters 12, 16 and 16A, as applicable.

The products recognized in this supplement have not been evaluated under CBC Chapter 7A for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

2.2 CRC:

The Smart Vent[®] Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master 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 master report.

The products recognized in this supplement have not been evaluated under 2016 CRC Chapter R337, for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the International Wildland-Urban Interface Code®.

This supplement expires concurrently with the master report, reissued February 2019.





ICC-ES Evaluation Report

ESR-2074 FBC Supplement

Reissued February 2019

This report is subject to renewal February 2021.

www.icc-es.org | (800) 423-6587 | (562) 699-0543

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, recognized in ICC-ES master 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 master 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 master 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 master report, reissued February 2019.

