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

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

ELEVATION CERTIFICATE

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

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: Lesley Lebel	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 6860 Hughes Street E0638 # 2 RLF	Company NAIC Number:
City: Town of Longboat Key State: FL	ZIP Code: 34228
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number 7780810259	mber:
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): Residential	
A5. Latitude/Longitude: Lat. 27.434784 Long82.680855 Horiz. Datum:	NAD 1927 X NAD 1983 WGS 84
A6. Attach at least two and when possible four clear color photographs (one for each side) of the b	uilding (see Form pages 7 and 8).
A7. Building Diagram Number: 8	
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s): 1,484 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 Non-engineered flood openings: 0 Engineered flood openings: 7	
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	ons): 2,800 sq. ft.
f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): N/A sq. ft.	RECEIVED
A9. For a building with an attached garage:	
a) Square footage of attached garage: 486 sq. ft.	AUG 15 2024
b) Is there at least one permanent flood opening on two different sides of the attached garage	TOWNS OF INDIVIDUAL KEY
c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjated Non-engineered flood openings: 0 Engineered flood openings: 6	acent grade:
d) Total net open area of non-engineered flood openings in A9.c: 0 sq. in.	
e) Total rated area of engineered flood openings in A9.c (attach documentation - see Instruction	ons): 1200 sq. ft.
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): N/A sq. ft.	
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFOR	RMATION
B1.a. NFIP Community Name: Town of Longboat Key B1.b. NFIP Com	munity Identification Number: 125126
B2. County Name: Manatee County B3. State: FL B4. Map/Panel No.: 1	2081C0291 B5. Suffix: F
B6. FIRM Index Date: 08/10/2021 B7. FIRM Panel Effective/Revised Date: 08/10/20	21
B8. Flood Zone(s): AE B9. Base Flood Elevation(s) (BFE) (Zone AO, use B	Base Flood Depth): 8
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: FIS FIRM Community Determined Other:	
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 Prote Designation Date: CBRS OPA	ected Area (OPA)? Yes No
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? Yes	No

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

Building Street Address (including Apt., Unit,			No.:	FOR INSURANCE COMPANY USE	
6860 Hughes Street City: Town of Longboat Key		# 2 RLF	F	Policy Number:	
City. Town of Longboat Key	State: FL	ZIP Code: 34228		Company NAIC Number:	
SECTION C - E	UILDING ELEVATIO	N INFORMATION	SURVEY RI	EQUIRED)	
C1. Building elevations are based on: *A new Elevation Certificate will be required.	Construction Drawings uired when construction	Building Under	er Construction	n* N Finished Construction	
C2. Elevations – Zones A1–A30, AE, AH, i A99. Complete Items C2.a–h below ac Benchmark Utilized: See Comments	cording to the Building [1–V30, V (with BFE), Diagram specified in It Vertical Datum: N.A	tem A7. In Pue	R/AE, AR/A1–A30, AR/AH, AR/AO, erto Rico only, enter meters.	
Indicate elevation datum used for the eleva	tions in items a) through Other:	h) below.			
Datum used for building elevations must be If Yes, describe the source of the conversion	the same as that used fin factor in the Section D	or the BFE. Conversi Comments area.	on factor used	Normal Normal	
a) Top of bottom floor (including baser	nent, crawlspace, or end	losure floor):		Check the measurement used 5.1 geet meters	
b) Top of the next higher floor (see Ins	tructions):		1(0.2 feet meters	
c) Bottom of the lowest horizontal struc	ctural member (see Instr	uctions):	N	I/A feet meters	
d) Attached garage (top of slab):				4.8 get meters	
 e) Lowest elevation of Machinery and l (describe type of M&E and location in 	Equipment (M&E) services and Section D Comments	ing the building area):	10	0.1 X feet meters	
f) Lowest Adjacent Grade (LAG) next	to building: Natural	Finished	4	1.1 geet meters	
g) Highest Adjacent Grade (HAG) next	to building: Natural	Finished	6	6.0 get meters	
 Finished LAG at lowest elevation of support: 	attached deck or stairs,	including structural	4	1.1	
SECTION D - S	SURVEYOR, ENGINE	ER. OR ARCHITE	CT CERTIE	CATION	
This certification is to be signed and sealed information. I certify that the information on the false statement may be punishable by fine of	by a land surveyor, engine	neer, or architect auth	norized by stat	te law to partify elevation	
Were latitude and longitude in Section A pro			□No		
Check here if attachments and describe in	n the Comments area.		- Constant	AUG 15 2024	
Certifier's Name: Leo Mills, Jr.	Licens	e Number: LS 3513		WN OF LONGBOAT KEY Planning, Zoning & Building	
Title: Professional Land Surveyor			-	latining, soring a balang	
Company Name: Leo Mills & Associates, I	Inc.			Digitally Morric signed by	
Address: 620 8th Avenue West			The state of the s	Morris Leo	
City: Palmetto	State: F	L ZIP Code: 34	221	Leo Date:	
Telephone: (941) 722-2460 Ext.:	Email: info@lec	omills.com		Mills Jr 2024.08.14 14:12:52 -04'00'	
	FM-05-0904190	Date: 06/27/		Place Seal Here	
Copy all pages of this Elevation Certificate and	all attachments for (1) co	mmunity official, (2) in	surance agent	t/company, and (3) building owner.	
Comments (including source of conversion fa Source Bench Mark: Coastal Construct C2e: Elevation shown is top of the platfo additional photos. See Attachment #2 for Note: Construction was permitted based	rm for the Air Condition radditional comments	ment 13 84 007 - E mer located along e See Attachment #	exterior wall.	92 Feet N.A.V.D See Attachment #1 for	

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

Building Street Address (including Apt., Unit, Suite, an 6860 Hughes Street			or P.O. Route and Box No.: #2 RLF	FOR INSURANCE COMPANY USE		
Ci	y: Town of Longboat Key St	tate: FL	ZIP Code: 34228	Policy Number:		
-				Company NAIC Number:		
	SECTION E - BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)					
Fo	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					
en	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.					
A	Building measurements are based on: Construction Drawings Building Under Construction* Finished Construction *A new Elevation Certificate will be required when construction of the building is complete.					
E1	Provide measurements (C.2.a in applicable Buildi measurement is above or below the natural HAG	ing Diagram) tand the LAG.	for the following and check th	e appropriate boxes to show whether the		
	 Top of bottom floor (including basement, crawlspace, or enclosure) is: 		feet mete	ers above or below the HAG.		
	 Top of bottom floor (including basement, crawlspace, or enclosure) is: 		☐ feet ☐ mete			
E2.	For Building Diagrams 6–9 with permanent flood on next higher floor (C2.b in applicable Building Diagram) of the building is:	openings prov				
Ea			feet _ mete	rs above or below the HAG.		
	Attached garage (top of slab) is:	-	[feet [mete	rs above or below the HAG.		
£4.	Top of platform of machinery and/or equipment servicing the building is:	***	feet mete	rs above or below the HAG.		
E5.	Zone AO only: If no flood depth number is availab floodplain management ordinance? Yes	le, is the top o	f the bottom floor elevated in hknown The local official	accordance with the community's must certify this information in Section G.		
	SECTION F - PROPERTY OWNER (OF	ROWNER'S	AUTHORIZED REPRESE	ENTATIVE) CERTIFICATION		
The	property owner or owner's authorized representation here. The statements in Sections A, B, and E are	ve who comple	etes Sections A. B. and E for			
	Check here if attachments and describe in the Com		book of may renownedge			
	perty Owner or Owner's Authorized Representative					
	ress:					
City			State:	ZIP Code:		
Tele	phone: Ext.: Er	nail:	State:	ZIF Code.		
Sigr	ature:		Date:			
Con	ments:					
			R	ECEIVED		
				AUG 15 2024		
			TO	NN OF LONGBOAT KEY		
				Planning, Zoning & Building		

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

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE				
6860 Hughes Street E0638 # 2 RLF	Policy Number:				
City: Town of Longboat Key State: FL ZIP Code: 34228	Company NAIC Number:				
SECTION G - COMMUNITY INFORMATION (RECOMMENDED FOR COMMUNIT	Y OFFICIAL COMPLETION)				
The local official who is authorized by law or ordinance to administer the community's floodplain ma Section A, B, C, E, G, or H of this Elevation Certificate. Complete the applicable item(s) and sign be	nagement ordinance can complete elow when:				
The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by state law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)					
G2.a. A local official completed Section E for a building located in Zone A (without a BFE), Zon E5 is completed for a building located in Zone AO.	ne AO, or Zone AR/AO, or when item				
G2.b. A local official completed Section H for insurance purposes.					
G3.	e information in Sections A, B, E and H.				
G4.	ment purposes.				
G5. Permit Number: G6. Date Permit Issued:					
G7. Date Certificate of Compliance/Occupancy Issued:	- MANAGERISTA 1.514				
G8. This permit has been issued for: New Construction Substantial Improvement					
G9.a. Elevation of as-built lowest floor (including basement) of the building:	meters Datum:				
G9.b. Elevation of bottom of as-built lowest horizontal structural member:	meters Datum:				
G10.a. BFE (or depth in Zone AO) of flooding at the building site:	meters Datum:				
G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member:	meters Datum:				
G11. Variance issued? Yes No If yes, attach documentation and describe in the Com	*Mean factoring in contrast about the factoring and a selection of the selection				
The local official who provides information in Section G must sign here. I have completed the information correct to the best of my knowledge. If applicable, I have also provided specific corrections in the College of the second of the seco	ation in Section G and certify that it is				
NFIP Community Name:					
Address:City:State:	7(0.0.1.				
State:	ZIP Code:				
Signature: Date:					
Comments (including type of equipment and location, per C2.e; description of any attachments; and Sections A, B, D, E, or H):	corrections to specific information in				
	AUG 15 2024				
TO\ F	WN OF LONGBOAT KEY Planning, Zoning & Building				

FEMA Form FF-206-FY-22-152 (formerly 086-0-33) (8/23)

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

Building Street Address (include 6860 Hughes Street	ding Apt., Unit, Suite, and		or P.O. Route and	Box No.:	FORI	SURANCE COMPANY USE
City: Town of Longboat Ke	2V C			220	Policy N	lumber:
ony. Town of Longboat No	·y 3	late. TL	ZIP Code: 342	228	Compa	ny NAIC Number:
SECTIO	ON H - BUILDING'S F SURVEY NOT REC	FIRST FLOO QUIRED) (FO	OR HEIGHT INF	ORMATION PURPOS	N FOR ALL ES ONLY)	ZONES
The property owner, owner's to determine the building's first nearest tenth of a foot (nearest Instructions) and the appropriate the second contractions of the property of the second contractions of the second contractions of the second contractions of the second contractions of the second contraction o	st floor height for insurar st tenth of a meter in Pu	nce purposes. erto Rico). Ri	. Sections A, B, an	nd I must als	o be complet	ted. Enter heights to the
H1. Provide the height of the	top of the floor (as indic	ated in Found	dation Type Diagra	ams) above	the Lowest A	djacent Grade (LAG):
 a) For Building Diagrar floor (include above-grad crawlspaces or enclosure 	ms 1A, 1B, 3, and 5-8. le floors only for building	Top of botton				above the LAG
 b) For Building Diagram higher floor (i.e., the floor enclosure floor) is: 	ns 2A, 2B, 4, and 6–9. above basement, crawl	Top of next space, or		feet	meters	above the LAG
H2. Is all Machinery and Equ H2 arrow (shown in the F	ipment servicing the bui oundation Type Diagram	lding (as liste ns at end of S	d in Item H2 instru Section H instruction	ons) for the a	ated to or ab appropriate B	ove the floor indicated by the uilding Diagram?
SECTION I - PRO	OPERTY OWNER (O	R OWNER'S	AUTHORIZED	REPRESE	NTATIVE)	CERTIFICATION
The property owner or owner's A, B, and H are correct to the indicate in Item G2.b and sign	s authorized representat best of my knowledge.	ive who comp	oletes Sections A	B and H m	ist sign here	The statements in Sections
Check here if attachments	are provided (including	required phot	os) and describe	each attachr	nent in the C	Ommente area
Property Owner or Owner's Au				John McGO	TICHE III EIIE O	omments area.
Addes	The state of the s					
				State:	7ID	Code:
Telephone:						Code.
*						
Signature:						
Signature:			Date:			
Signature:						
Signature:						
Signature:						IVED
Signature:						IVED
Signature:						
				R	ECE AUG 1	
Signature:				R	ECE AUG 1	5 2024 NGBOAT KEY

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11 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.: 6860 Hughes Street E0638 # 2 RLF

City: Town of Longboat Key State: FL

FL ZIP Code: 34228

FOR INSURANCE COMPANY USE

Policy Number:

Company NAIC Number:

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo One

Photo One Caption: Front View

Clear Photo One



Photo Two

Photo Two Caption: Rear View

Clear Photo Two

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

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
6860 Hughes Street E0638 # 2 RLF City: Town of Longboat Key State: FL ZIP Code: 34228	Policy Number: Company NAIC Number:

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.

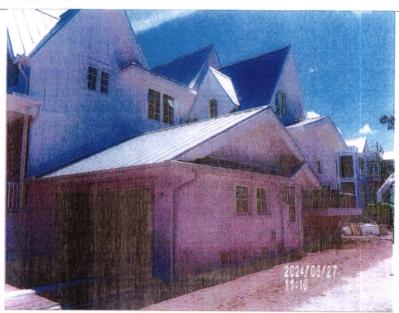


Photo Three

Photo Three Caption: Right Side View

Clear Photo Three

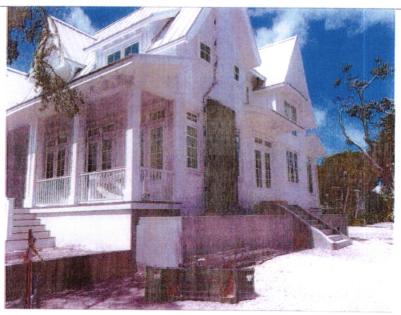


Photo Four

Photo Four Caption: Left Side View from rear

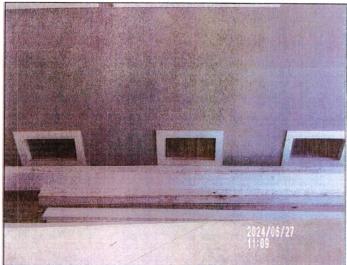
Clear Photo Four

ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19 BUILDING PHOTOGRAPHS — ATTACHMENT 1

See Instructions for Item A6.

Building Street Address (including Apt, Unit, Suite, an	d/or Bldg. No.) or P.O. Route	and Box No.:	FOR INSURANCE COMPANY USE
6860 Hughes Street			Policy Number:
City: Longboat Key	State: Florida	ZIP Code: 34228	Company NAIC Number:

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/row houses. 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, included at least one close-up photograph of representative flood openings or vents, as indicated in Section A8 and A9.



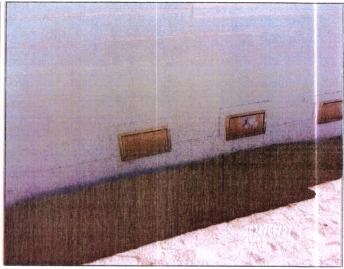


Photo Five Caption: Flood Vent in Garage-Inside View

Photo Six Caption: Flood Vent in Garage- Outside View



AUG 15 2024
TOWN OF LONGBOAT KEY
Planning, Zoning & Building

Photo Seven Caption: Flood Vent in Residence - Outside View

Photo Eight Caption-Flood Vent in Residence-Inside View

ATTACHMENT 2

E0638 #2 - Final Elevation Certificate

Lesley Lebel 6860 Hughes Street Longboat Key, Florida 34228

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

It is the responsibility of the reviewer (Insurance Agents, Building Officials, etc) of this elevation certificate to analyze all of the data given in conjunction with a site visit to determine the proper Building Diagram Number (Item A7). The building diagram number shown in Item A7 is given as determined by the certificate preparer and should not be used for insurance rating or building compliance purposes unless verified by reviewer

ADDITIONAL COMMENTS:

A8e: Number shown represents the total rated area for the 7 openings. Flood Vent Stacker Smart Vents Model Number 1540-521 are installed in each opening. ICC-ES Report #ESR-2070 indicates a flow rate of 400 square inches for this model (see attachment 3).

A9e: Number shown represents the total rated area for the 4 openings. Smart Vents Model Number 1540-520 are installed in each opening. ICC-ES Report #ESR-2070 indicates a flow rate of 200 square inches for this model (see attachment 3).

Note: Calculations for rated area provided hereon are based on information established by others and are not certified as accurate by the signing surveyor.

Leo Mills & Associates, Inc.

Lee Mills, Jr.

Professional Surveyor and Mapper Florida Certificate Number 3513 06-27-24 Date

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ESR-2074

Reissued 02/2023 This report is subject to renewal 02/2025.

DIVISION: 08 00 00—OPENINGS

SECTION: 08 95 43-VENTS/FOUNDATION FLOOD VENTS

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514 FLOOD VENT SEALING KIT #1540-526





AUG 15 2024 TOWN OF LONGBOAT KEY Planning, Zoning & Building

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



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ICC-ES Evaluation Report ESR-2074

DIVISION: 08 00 00-OPENINGS

Section: 08 95 43-Vents/Foundation Flood Vents

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514
FLOOD VENT SEALING KIT #1540-526

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009 and 2006 International Building Code[®] (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 International Residential Code[®] (IRC)
- 2021 and 2018 International Energy Conservation Code[®] (IECC)
- 2013 Abu Dhabi International Building Code (ADIBC)†

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

2.0 USES

The Smart Vent® units are engineered mechanically operated flood vents (FVs) employed to equalize hydrostatic pressure on walls of enclosures subject to rising or falling flood waters. Certain models also allow natural ventilation.

3.0 DESCRIPTION

3.1 General:

When subjected to rising water, the Smart Vent[®] FVs internal floats are activated, then pivot open to allow flow in either direction to equalize water level and hydrostatic pressure from one side of the foundation to the other. The FV pivoting door is normally held in the closed position by a buoyant release device. When subjected to rising water, the buoyant release device causes the unit to unlatch, allowing

Reissued February 2023

This report is subject to renewal February 2025.

the door to rotate out of the way and allow flow. The water level stabilizes, equalizing the lateral forces. Each unit is fabricated from stainless steel. Smart Vent® Automatic Foundation Flood Vents are available in various models and sizes as described in Table 1. The SmartVENT® Stacking Model #1540-511 and FloodVENT® Stacking Model #1540-521 units each contain two vertically arranged openings per unit.

3.2 Engineered Opening:

The FVs comply with the design principle noted in Section 2.7.2.2 and Section 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)] for a maximum rate of rise and fall of 5.0 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24, Smart Vent FVs must be installed in accordance with Section 4.0.

3.3 Ventilation:

The SmartVENT® Model #1540-510 and SmartVENT® Overhead Door Model #1540-514 both have screen covers with ¹/₄-inch-by-¹/₄-inch (6.35 by 6.35 mm) openings, yielding 51 square inches (32 903 mm²) of net free area to supply natural ventilation. The SmartVENT® Stacking Model #1540-511 consists of two Model #1540-510 units in one assembly, and provides 102 square inches (65 806 mm²) of net free area to supply natural ventilation. Other FVs described in this report do not offer natural ventilation.

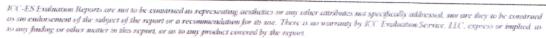
3.4 Flood Vent Sealing Kit:

The Flood Vent Sealing Kit Model #1540-526 is used with SmartVENT® Model #1540-520. It is a Homasote 440 Sound Barrier® (ESR-1374) insert with 21 – 2-inch-by-2-inch (51 mm \times 51 mm) squares cut in it. See Figure 4.

4.0 DESIGN AND INSTALLATION

4.1 SmartVENT® and FloodVENT®:

SmartVENT® and FloodVENT® are designed to be installed into walls or overhead doors of existing or new construction from the exterior side. Installation of the vents must be in accordance with the manufacturer's instructions, the applicable code and this report. Installation clips allow mounting in masonry and concrete walls of any thickness. In order to comply with the engineered opening design principle noted in Section 2.7.2.2 and 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)], the Smart Vent® FVs must be installed as follows:





- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one FV for every 200 square feet (18.6 m²) of enclosed area, except that the SmartVENT® Stacking Model #1540-511 and FloodVENT® Stacking Model #1540-521 must be installed with a minimum of one FV for every 400 square feet (37.2 m²) of enclosed area.
- Below the base flood elevation.
- With the bottom of the FV located a maximum of 12 inches (305.4 mm) above the higher of the final grade or floor and finished exterior grade immediately under each opening.

4.2 Flood Vent Sealing Kit

The Flood Vent Sealing Kit Model 1540-526 is used in conjunction with FloodVENT® Model #1540-520. When installed and tested in accordance with ASTM E283, the FV and Flood Vent Sealing Kit assembly have an air leakage rate of less than 0.2 cubic feet per minute per lineal foot (18.56 l/min per lineal meter) at a pressure differential of 1 pound per square foot (50 Pa) based on 12.58 lineal feet (3.8 lineal meters) contained by the Flood Vent Sealing Kit.

5.0 CONDITIONS OF USE

The Smart Vent[®] FVs described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The Smart Vent® FVs must be installed in accordance with this report, the applicable code and the

- manufacturer's installation instructions. In the event of a conflict, the instructions in this report govern.
- 5.2 The Smart Vent® FVs must not be used in the place of "breakaway walls" in coastal high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015 (editorially revised February 2021).
- 6.2 Test report on air infiltration in accordance with ASTM E283.

7.0 IDENTIFICATION

- 7.1 The Smart VENT® models and the Flood Vent Sealing Kit described in this report must be identified by a label bearing the manufacturer's name (Smartvent Products, Inc.), the model number, and the evaluation report number (ESR-2074).
- 7.2 The report holder's contact information is the following:

SMART VENT PRODUCTS, INC.
19 MANTUA ROAD
MOUNT ROYAL, NEW JERSEY 08061
(877) 441-8368
www.smartvent.com
info@smartvent.com

TABLE 1-MODEL SIZES

MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)
FloodVENT®	1540-520	15 ³ / ₄ " X 7 ³ / ₄ "	200
SmartVENT®	1540-510	15³¾4" X 7³¼"	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 83/4"	200
Wood Wall FloodVENT® Overhead Door	1540-574	14" X 83/4"	200
SmartVENT® Stacker	1540-511	16" X 16"	400
FloodVent® Stacker	1540-521	16" X 16"	400

For St: 1 inch = 25.4 mm; 1 square foot = m²

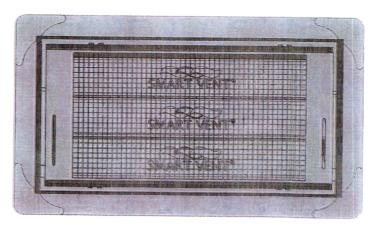


FIGURE 1-SMART VENT: MODEL 1540-510