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

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION	FOR INSURANCE COMPANY USE			
A1. Building Owner's Name Steve Baglivo	Policy Number:			
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.#125 N. Madison Avenue	Company NAIC Number:			
City State City of Margate New Jersey	ZIP Code 08402			
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Block 329 Lot 49				
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential				
A5. Latitude/Longitude: Lat. 39.3232 Long74.5185 Horizontal Date	tum: NAD 1927 X NAD 1983			
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood ins	surance.			
A7. Building Diagram Number7_				
A8. For a building with a crawlspace or enclosure(s):				
a) Square footage of crawlspace or enclosure(s) 882.00 sq ft	일본이는 그리는 항상 보세요? 그 보			
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot about	ove adjacent grade 5			
c) Total net area of flood openings in A8.b sq in	당하는 이 등에게 되는 말라면 하는 말라고 있었다. 1997년 - 경기, 역사 기를 보는 이 일본 등 등 전기를			
d) Engineered flood openings? 🗵 Yes 🗌 No				
A9. For a building with an attached garage:				
a) Square footage of attached garage 0.00 sq ft				
	t grade 0			
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacer	it grade <u>0</u>			
c) Total net area of flood openings in A9.b 0.00 sq in				
d) Engineered flood openings?				
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFOR	MATION			
B1. NFIP Community Name & Community Number CITY OF MARGATE & 345304 B2. County Name ATLANTIC COUNTY	B3. State New Jersey			
B4. Map/Panel Number B5. Suffix B6. FIRM Index Date B7. FIRM Panel Effective/ Revised Date B8. Flood Zone(s)	P. Base Flood Elevation(s) (Zone AO, use Base Flood Depth)			
34001C0434 F 08-28-2018 08-28-2018 AE 9				
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in It	tem B9:			
B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 X NAVD 1988	Other/Source:			
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Pt	rotected Area (OPA)? Yes X No			
Designation Date:				

ELÉVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. #125 N. Madison Avenue	Policy Number:
City State ZIP Code City of Margate New Jersey 08402	Company NAIC Number
SECTION C - BUILDING ELEVATION INFORMATION (SURVEY F	REQUIRED)
 C1. Building elevations are based on: Construction Drawings* Building Under 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, AF Complete Items C2.a–h below according to the building diagram specified in Item A7. In Pue 	R/AE, AR/A1–A30, AR/AH, AR/AO.
Benchmark Utilized: private Vertical Datum: NAVD88	
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)	4.9 🗵 feet 🔲 meters
b) Top of the next higher floor	13.9 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)	N/A ☒ feet ☐ meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	13.1 🗵 feet 🗌 meters
f) Lowest adjacent (finished) grade next to building (LAG)	4.6 🗵 feet 🗌 meters
g) Highest adjacent (finished) grade next to building (HAG)	5.0 🗵 feet 🗌 meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	4.7 🗵 feet 🗌 meters
SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIF	FICATION
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by a land surveyor.	able. I understand that any false
Were latitude and longitude in Section A provided by a licensed land surveyor? X Yes No	★ Check here if attachments.
Certifier's Name License Number Paul M. Koelling, PLS, CFM NJ24GS 04328800	
Title Professional Land Surveyor	Place
Company Name Paul Koelling & Associates NJ C.O.A. 24GA28256300	Seal
Address 2161 Shore Road sox-PHKsurvey@comcast.net	Here
City State ZIP Code New Jersey 08221	
Signature Date Telephone (609) 927-0279	Ext.
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)	
*A8b.) Smart Vents Model #1540-520 engineered for 200 square inches of net area each	
***C2a.) enclosure with garage, foyer and storage (elev 4.9)elevator pit (elev 4.0)	
****C2e.) exterior air unit (elev 13.1)furnace (elev 14.6)pool equipment (elev 13.9)	

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number:
#125 N. Madison Avenue	
City State ZIP Code	Company NAIC Number
City of Margate New Jersey 08402	
SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NO FOR ZONE AO AND ZONE A (WITHOUT BFE)	T REQUIRED)
For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to suppor complete Sections A, B,and C. For Items E1–E4, use natural grade, if available. Check the measu enter meters. E1. Provide elevation information for the following and check the appropriate boxes to show whet	rement used. In Puerto Rico only,
the highest adjacent grade (HAG) and the lowest adjacent grade (LAG). a) Top of bottom floor (including basement,	
crawlspace, or enclosure) is	ers 🔲 above or 🔲 below the HAG.
b) Top of bottom floor (including basement, crawlspace, or enclosure) is	ers 🔲 above or 🔲 below the LAG.
E2. For Building Diagrams 6–9 with permanent flood openings 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 me	li i <u>a</u> t Pa <u>al</u> ania in A kai
E3. Attached garage (top of slab) is	
E4. Top of platform of machinery and/or equipment servicing the building is	ers above or below the HAG.
E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in a floodplain management ordinance?	accordance with the community's
CECTION E PROPERTY OWNER OF CHAIRPIN PERFECTIVE	
SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE)	
The property owner or owner's authorized representative who completes Sections A, B, and E for community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are community-issued BFE) or Zone AO must sign here.	Zone A (without a FEMA-issued or
	orrect to the best of my knowledge.
Property Owner or Owner's Authorized Representative's Name	
Address	20-1-
Address	State ZIP Code
Signature Date	 Felephone
Comments	

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE				
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. #125 N. Madison Avenue	Policy Number:				
City State ZIP Code City of Margate New Jersey 08402	Company NAIC Number				
SECTION G - COMMUNITY INFORMATION (OPTIONAL)				
The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.					
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 law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)					
G2. A community official completed Section E for a building located in Zone A (without a FE or Zone AO.	MA-issued or community-issued BFE)				
G3. The following information (Items G4–G10) is provided for community floodplain manage	ment purposes.				
G4. Permit Number G5. Date Permit Issued G6.	Date Certificate of Compliance/Occupancy Issued				
G7. This permit has been issued for: New Construction Substantial Improvement					
G8. Elevation of as-built lowest floor (including basement)					
G9. BFE or (in Zone AO) depth of flooding at the building site:	et meters Datum				
G10. Community's design flood elevation:	et 🗌 meters Datum				
Local Official's Name Title CFM					
Community Name Title CFM Telephone AANGAR Flate					
Signature	03/28/26				
Comments (including type of equipment and location, per C2(e), if applicable)					
	Check here if attachments.				

Building Photographs

,	See Instructions for Item A6.			For Insurance Company Use:
	Building Street Address (inc #125 N. Madison Av	Policy Number		
	City	State	ZIP Code	Company NAIC Number
	Margate	NJ	08402	

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two 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." If submitting more photographs than will fit on this page, use the Continuation Page on the reverse.





Front View - Date of Photograph: (See Photo Stamp)

Rear View – Date of Photograph: (See Photo Stamp)





Vent View – Date of Photograph: (See Photo Stamp)

Left Side View – Date of Photograph: (See Photo Stamp)



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ICC-ES Evaluation Report

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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



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ICC-ES Evaluation Report

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

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 $\frac{1}{4}$ -inch-by- $\frac{1}{4}$ -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

■ 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 = m²



FIGURE 1—SMART VENT: MODEL 1540-510

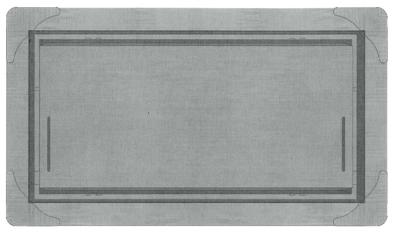


FIGURE 2—SMART VENT MODEL 1540-520



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

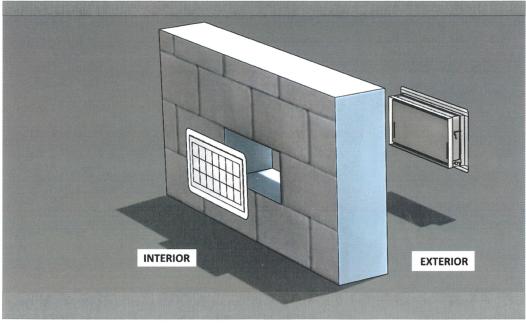


FIGURE 4—FLOOD VENT SEALING KIT