DEPARTMENT OF BUILDING SAFETY & FLOOD PLAIN MANAGEMENT

VENTNOR CITY HALL 6201 ATLANTIC AVENUE ROOM 4 823-7987 823-7966 FAX



VENTNOR CITY, N.J. 08406

Memo of Review For Correctness and Completion

The attached FEMA Elevation Certificate has been reviewed by this office.

The items noted below are not correct on the attached form and should read as entered on this page.

	SECT	ION A - PROPERTY INFORM	ATION	For Insurance Company Use:	
A1. Building Owner's Name ANTHONY		Policy Number			
A2. Building Street Address (including A	A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.				
City State ZIP Co	08406				
A3. Property Description (Lot and Block	Numbers, Tax Parcel Nu	ımber, Legal Description, etc.)			
A4. Building Use (e.g., Residential, Nor A5. Latitude/Longitude: Lat Lo A6. Attach at least 2 photographs of the A7. Building Diagram Number A8. For a building with a crawlspace or a) Square footage of crawlspace or b) No. of permanent flood opening enclosure(s) within 1.0 foot about Total net area of flood openings d) Engineered flood openings?	ng Horize building if the Certificate enclosure(s): or enclosure(s) as in the crawlspace or ve adjacent grade	A9. For a k sq ft b) No 2 sq fin c) Sq fin c) Sq fin c) To sq fin c) To contail Datum: A9. For a k b) No wit contail Datum: A9. For a k b) No contail Datum: Contail Dat	rance. building with an attac uare footage of attac	hed garage sq ft openings in the attached garage ljacent grade openings in A9.b sq in	
S	ECTION B - FLOOD IN	NSURANCE RATE MAP (FIR	W) INFORMATION		
B1. NFIP Community Name & Commun	ty Number 1	32. County Name A+\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		33. State	
B4. Map/Panel Number B5. Suffii 345326 (0001 B	B6. FIRM Index Date 6 - 18-1571	B7. FIRM Panel Effective/Revised Date 9-15-1483	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zопе AO, use base flood depth)	
B10. Indicate the source of the Base Flo FIS Profile FIRM B11. Indicate elevation datum used for B B12. Is the building located in a Coastal Designation Date Designation Date	☐ Community Deter	mined) Other (Describe)	
Local Official's Name Community Name	Cavalicai	Telephone	·F.W.	-7 ~% 7	
Signature		Date	-3-2020		
Comments					



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
This report is subject to renewal 02/2021.

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:

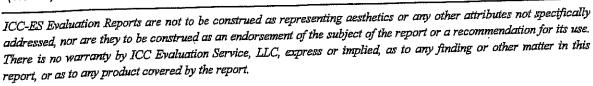
MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574;

#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 concept







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)[†]

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

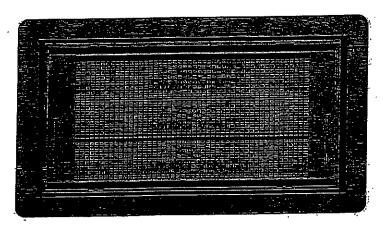


FIGURE 1-SMART VENT: MODEL 1540-510

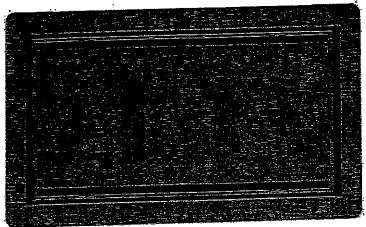


FIGURE 2—SMART VENT MODEL 1540-520

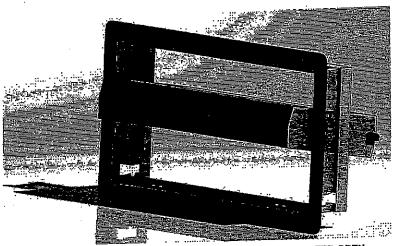
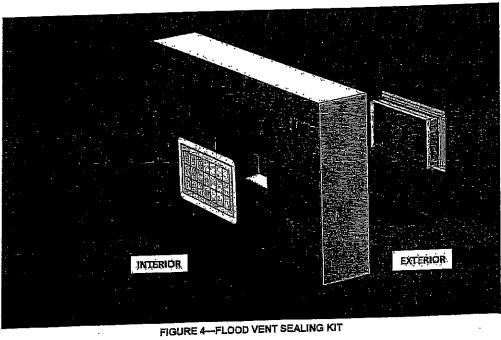


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN





ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

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 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 7.A 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 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.

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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 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.

U.S. DEPARTMENT OF HOMELAND SECURITY

TEDERAL:EMERGENCY MANAGEMENT AGENCY

National Flood Insurance Program

ELEVATION CERTIFICATE

OMB No. 1660-0008

National Flood Insurance Program Expiration Date: July 31, 2015 Important: Read the instructions on pages 1-9. FOR INSURANCE COMPANY USE SECTION A - PROPERTY INFORMATION A1. Building Owner's Name HARVEY MENDELSOHN Policy Number: Company NAIC Number: A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 310 NORTH OXFORD AVENUE City VENTNOR State NJ ZIP Code 08406 A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) BLOCK 214 LOT 17 A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL A5. Latitude/Longitude; Lat. 39 - 20.726 Long. 74 - 28,761 Horizontal Datum: NAD 1927 X NAD 1983 A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance. A7. Building Diagram Number 7 A9. For a building with an attached garage: A8. For a building with a crawlspace or enclosure(s): a) Square footage of attached garage N/A sq ft a) Square footage of crawispace or enclosure(s) <u>784</u> Number of permanent flood openings in the attached garage b) Number of permanent flood openings in the crawispace within 1.0 foot above adjacent grade or enclosure(s) within 1.0 foot above adjacent grade Total net area of flood openings in A8.b 800 sq in Total net area of flood openings in A9.b 0 sq in d) Engineered flood openings? Yes ⊠ No d) Engineered flood openings? SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION B3. State **B2. County Name** B1. NFIP Community Name & Community Number CITY OF VENTNOR 345326 **ATLANTIC** B8. Flood B9, Base Flood Elevation(s) (Zone **B7. FIRM Panel** B6. FIRM Index Date B4. Map/Panel Number **B5. Suffix** AO, use base flood depth) Effective/Revised Date 345326 / 0001 JUNE 18, 1971 Zone(s) 10 SEPT.15, 1983 A-8 B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. ☐ Community Determined Other/Source: ☐ FIS Profile ■ NAVD 1988 ☐ Other/Source: B11. Indicate elevation datum used for BFE in Item B9: X NGVD 1929 ⋈ No B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes □ OPA ☐ CBRS Designation Date: SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED) M Finished Construction ■ Building Under Construction* ☐ Construction Drawings* C1. Bullding elevations are based on: *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. Vertical Datum: 1929 Benchmark Utilized: RM # 2 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. ⊠ feet meters 6.0 a) Top of boltom floor (including basement, crawlspace, or enclosure floor) ⊠ feet ☐ meters <u>15.6</u> b) Top of the next higher floor feet [<u>N.A</u> meters c) Bottom of the lowest horizontal structural member (V Zones only) ⊠ feet ☐ meters <u>N.A</u> d) Attached garage (top of slab) ☑ feet meters <u>15.6</u> e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) meters f) Lowest adjacent (finished) grade next to building (LAG) 5.8 meters g) Highest adjacent (finished) grade next to building (HAG) <u>5.9</u> meters h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support 5.8 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 Check here if comments are provided on back of form. ✓ Yes licensed land surveyor? ☐ No Check here if attachments. License Number GS34853 Certifier's Name STEVEN GLASSER PLS Company Name PRICE GLASSER ASSOCIATES INC. Title PRESIDENT State NJ **ZIP Code 08225** City NORTHFIELD Address 331 TILTON ROAD Telephone 609 646 8757 Date 10.12.2016 Signature

ELEVATION CERTIFICATE, page 2		process of the second
IMPORTANT: In these spaces, copy the corre	esponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (Including Apt., Unit, Suite, an 310 NORTH OXFORD AVENUE	d/or Bldg. No.) or P.O. Route and Box No.	Paticy Number:
City VENTNOR	State NJ ZIP Code: 08406	Company NAIC Number:
SECTION D - SURVEY	OR, ENGINEER, OR ARCHITECT CERTIFICA	TION (CONTINUED)
Copy both sides of this Elevation Certificate for (1) cor	nmunity official, (2) insurance agent/company, and (3) building owner.
Comments C2e ARE UTILITIES AT 15.6 THERE IS IN FLOOD ZONE AE8 AS SHOWN ON FEMA PRELIF	NO DUCT WORK IN THE ENCLOSURE AREA THI MINARY FIRM MAP 34001 CO451F BASED ON NAV	IS PROPERTY HAS BEEN DESIGNATED TO BE D 1988 DATUM.
Signature	Date 10.12.2016	
SECTION E - BUILDING ELEVATION INFO	RMATION (SURVEY NOT REQUIRED) FOR 2	ZONE AO AND ZONE A (WITHOUT BFE)
For Zones AO and A (without BFE), complete Items E and C. For Items E1–E4, use natural grade, if available	e. Check the measurement used. In Puerto Rico only	, enter meters.
grade (HAG) and the lowest adjacent grade (LAC a) Top of bottom floor (including basement, craw b) Top of bottom floor (including basement, craw E2. For Building Diagrams 6–9 with permanent flood (elevation C2.b in the diagrams) of the building is E3. Attached garage (top of slab) is E4. Top of platform of machinery and/or equipment s E5. Zone AO only: If no flood depth number is available.	Ispace, or enclosure) is feet space, or enclosure) is feet space, or enclosure) is feet space, or enclosure) is feet meters above or feet meters above or below the Heavicing the building is feet meters feet meters feet meters feet meters feet meters feet meters feet feet meters feet feet	meters ☐ above or ☐ below the HAG.] meters ☐ above or ☐ below the LAG, e pages 8–9 of Instructions), the next higher floor ☐ below the HAG. AG. above or ☐ below the HAG. above or ☐ below the HAG. accemits the community's floodplain management
	TY OWNER (OR OWNER'S REPRESENTATIV	
The property owner or owner's authorized representation Zone AO must sign here. The statements in Sections	ve who completes Sections A, B, and E for Zone A (w s A, B, and E are correct to the best of my knowledge	vithout a FEMA-issued or community-issued BFE)
Property Owner's or Owner's Authorized Representative	e's Name	
Address	City	State ZIP Code
Signature	Date	Telephone
Comments		•
		Check here if attachments.
SECTIO	N G COMMUNITY INFORMATION (OPTION	(AL)
he least official who is sutherized by law or ordinance to	administer the community's floodulain management or	finance can complete Sections A, B, C (or E), and G
f this Elevation Certificate. Complete the applicable item(s	s) and sign below. Check the measurement used in Itel ther documentation that has been signed and sealed	ms G8-G10. In Pueno Rico only, enter meters.
is authorized by law to certify elevation information	ition. (Indicate the source and date of the elevation of	ata in the Comments area below.)
	building located in Zone A (without a FEMA-issued of	
33. The following information (Items G4-G10) is pr	rovided for community floodplain management purpos	
G4. Permit Number G5. Date Perm	nit Issued G6. Date Certifica	ate Of Compliance/Occupancy Issued
7. This permit has been issued for: New Cons 8. Elevation of as-built lowest floor (including basemer 9. BFE or (in Zone AO) depth of flooding at the buildin 10. Community's design flood elevation:	nt) of the building: feet me	eters Datum
Local Official's Name Dino Cavalie	Title C.P.Y	~·
Community Name Ven hoc	Telephone 609	
Signature C	Date to -2	
Comments		
- wird Hatta		· Check here if attachments.

Building Photographs

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 310 NORTH OXFORD AVENUE

Policy Number:

City VENTNOR

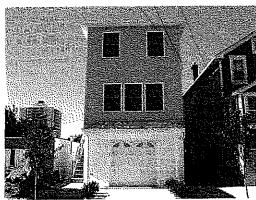
State NJ

ZIP Code 08406

Company NAIC Number:

FOR INSURANCE COMPANY USE

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.



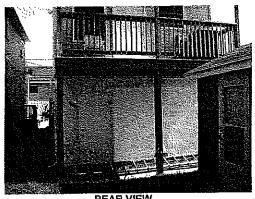
FRONT VIEW 10.12.2016



RIGHT SIDE VIEW FROM FRONT 10.12.2016



LEFT SIDE FROM FRONT VIEW 10.12.2016



REAR VIEW 10.12,2016



Smart Vent Model 1540-520 Net Area = 200 sq. in.



Smart Vent Model 1540-510 Net Area = 200 sq. in.

DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency ELEVATION CERTIFICATE

IMPORTANT: FOLLOW THE INSTRUCTIONS ON PAGES 9-16

OMB Control Number: 1660-0008 Expiration: 11/30/2018

Copy all pages of this Elevation Certificate and all attachments for (1) commun	ilty official, (2) insura	nce agent/compa	ny, and (3) bui	ding owner.
SECTION A - PROPERTY INFORMATION FORM INSURANCE COMPANY USE				
A1. Building Owner's Name ANTHONY MIRANDA		Policy Number	2	
A2. Building Street Address (Including Apt., Unil, Suite, and/or Bidg. No.) or P.O. Route and Box No. 310 N SURREY AVE				
City VENTNOR CITY	State NJ	· · · · · · · · · · · · · · · · · · ·	Zip Code	08406
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Le BLOCK 211 LOT 14	egal Description, etc.	.)		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory,	elc.)RESIDENTIAL			
A5, Lalilude/Longilude: Lal. N39*20'48" Long.W74*28'41" H	orizontal Datum:	NAD 1927	€ NAD 198	3
A6. Attach at least 2 photographs of the building if the Certificate is being	used to obtain flood	insurance.		
A7. Building Diagram Number 6				
A8. For a building with a crawispace or enclosure(s):	A9. For a buildi	ng with an attach	ed garage:	
a) Square foolage of crawlspace or enclosure(s) 396 sq ft	a) Square foole	ge of attached g	arage	N/A sq fl
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade		ermanent flood o ed gerage wilhin ent grade		N/A
c) Total net area of flood openings in A8.b 400 sq in	o) Total net area	a of flood opening	d.eA ni ag	N/A sq in
d) Engineered flood openings? (© Yes (No	d) Engineered fl	lood openings?	X9X)X6X	RENO July
SECTION B - FLOOD INSURANCE RA	TE MAP (FIRM) IN	FORMATION		5-5-16
B1. NFIP Community Name & Community Number B2. Co VENTNOR 345326 B2. CO	unty Name TIC			B3. Stale NJ
B4. Mep/Panel Number B5. Suffix B6, FIRM Index Date B7. FIRM Poly 345326/0001 B 6/18/71 9/45		Flood Zone(s) A-8		od Elevation(s)), use base flood
971	,,,,,		10.0	00
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flo (FIS Profile (FIRM (Community Determined (Other/Source)		Item 59:		
B11, Indicate elevation datum used for BFE in Item 89: @ NGVD 1929 (ther/Source:		
312. Is the building located in a Coastal Barrier Resources System (CBRS)			DPA)? CY	as (© No
Designation Date; CBRS COPA	aroa or ornormous	1010000010001	2.19. (,
SECTION C - BUILDING ELEVATION INF	ORMATION (SURVI	EY REQUIRED)		
C1. Building elevations are based on: C Construction Drawings* CB	uilding Under Const	ruction* 👵	Finished Con	struction
C2, Elevations - Zones A1 - A30, AE, AH, A (with BFE), VE, V1 - V30, V (w Complete Items C2.a -h below according to the building diagram specified li				AR/AO.
A new Elevation Certificate will be required when construction of the building.		Kico omy, anter	Ineiers,	
Benchmark Uillized: GPS V	ertical Datum: NGVI	D 1929		
ndicale elevation datum used for the elevations in items a) through h) below	*****			
C Other/Source:			•	
Datum used for building elevations must be the same as that used for the B	FE.		Check the ma	asurement used.
) Top of bottom floor (including basement, crawlspace, or enclosure floor)	7.6		(e feet	C meters
) Top of the next higher floor	15.79 -			C meters
) Bottom of the lowest horizontal structural member (V Zones only)	N/A -		(feet	Ç-meters
) Attached garage (top of slab)	<u>N/A</u> -		(e) feel	C meters
 Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 	15.8 "	<u></u>	(e feet	C meters .
Lowest adjacent (finished) grade next to building (LAG)	7.0		(€ feet	C meters
) Highest adjacent (finished) grade next to building (HAG)	7.5 -		(€ feel	(melers
) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	7.0		(€ feet	C-meters
	•			

ELEVATION CERTIFICATE

OMB Control Number: 1660-0008 Expiration: 11/30/2018

310 N SURREY AVE

VENTNOR CITY

NI

Expira 08406

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION						
This certification is to be signed and sealed by a that the information on this Certificate represent	's my best efforts to int	erpret the				
punishable by fine or imprisonment under 18 U. Check here if attachments.	S. Code, Section 1001 Were latitude and to provided by a licens	ngitude in				
	(e Yes (No)				
Certifier's Name JAMES R. BONEY, PLS						
Title PROFESSIONAL LAND SURVEYOR	Company Name JAMES R. BONEY &	ASSOC.	LLC	PLACE SEAL HERE		
Address 13 STONE MILL CT	City State Zip Code EGG HARBOR TWP NJ 08234					
Signature	Date MAY 3, 2016	Teleph +1 (6	one 09) 788-8013			
Copy both sides of this Elevation Certificate for ((1) community official,	(2) insure	nce agent/comps	any, and (3) building owner.		
TWO STORY FRAME DWELLING ELEVATED ELEV. THE ENCLOSURE IS VENTED WITH 'S	Comments (Including type of equipment and location , per C2(e), if applicable)" TWO STORY FRAME DWELLING ELEVATED ON PILINGS WITH A PARTIAL ENCLOSURE, MECHANICALS ARE AT OR ABOVE THE FF ELEV. THE ENCLOSURE IS VENTED WITH 'SMARTVENTS' MODEL 1540-510. BOTTOM OF DUCTWORK IS AT ELEVATION 15.45 MAY 5,2016					
Signature	-			Date MAY 3, 2016		
SECTION E - BUILDING ELEVATION INFO	DRMATION (SURVEY	NOTRE	QUIRED) FOR Z			
For Zones AO and A (without BFE), complete Ite	ms E1 -E5. If the Certi	ficate is Ir	lended to suppo	ert a LOMA or LOMR-F request, complete		
Sections A, B, and C. For items E1 -E4, use natu	rai grade, il avallable.	Check line	measurement u	ised, in Puerto Rico only, enter meters,		
E1. Provide elevation information for the following highest adjacent grade (HAG) and the lowest			es to show whet	her the elevation is above or below the		
a) Top of boltom floor (Including basement, crawispace,						
b) Top of bottom floor (including basement, crawispace, (feet (meters						
E2. For Bullding Diagrams 6 -9 with permanent fli higher floor (elevation C2.b in the diagrams) of th		l in Sectio		or 9 (see pages 8 -9 of Instructions), the next meters above or below the HAG.		
E3. Attached garage (top of slab) is			C feet C ma	eters 🔲 above or 🔲 below the HAG.		
54. Top of platform of machinery and for equipme servicing the building is		*	Cleet Cm			
55, Zone AO only: If no flood depth number is avenue. Yes CNo Ct						
SECTION F - PROPER	TY OWNER (OR OW	VER'S RE	PRESENTATIV	E) CERTIFICATION		
The property owner or owner's authorized repress community-issued BFE) or Zone AO must sign he Property Owner or Owner's Authorized Represen	re. The statements in	s Sections Sections ,	A, B, and E for A, B, and E are o	Zone A (without a FEMA-issued or correct to the best of my knowledge.		
Address	City		State	ZIP Code		
Signature	Date		Telephone			
Comments .						
				Check here if attachments.		

OMB Control Number; 1660-0008 Expiration: 11/30/2018

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.					
G1. 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 FEMA-issued or community-issued BFE) or Zone AO.					
G3. The following information (items G4 -G10) is provided for community floodplain management 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) feet (meters Datum					
G9. BFE or (in Zone AO) depth of flooding at the building Cleet C meters Datum					
G10. Community's design flood elevation: (feet C meters Datum					
Local Official's Name Dino CAVALIERS Title C. F. M.					
Community Name Ventuck Telephone 609 823-7987					
Signature Date S-L-16					
Comments					
·					
·					
1					
. Check here if attachments.					

BUILDING PHOTOGRAPHS

See instructions for Item A6

OMB Control Number: 1680-0008 Expiration: 11/30/2018

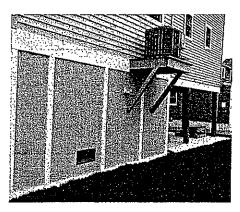
IMPOR	IMPORTANT: In these spaces, copy the corresponding Information from Section A.			FOR INSURANCE COMPANY USE
1	Building Street Address (Including Apt., Unit, Suite, and/or Bidg. No.) or P.O. Route and Box No. 310 N SURREY AVE			Policy Number:
City	VENTNOR CITY	Stale NJ Zij	Code 08406	Company NAIC Number:

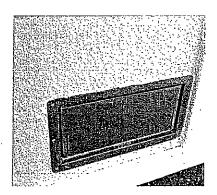
If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for them A6. Identify all photographs with date taken; "Front view" and Rear view"; and, If required, "Right Side View" and "Left Side View." When applicable, photographs 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.

5-4-16 FRONT

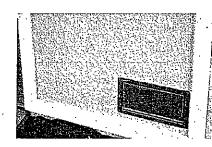


5-4-16 REAR





VENTS 5-4-16



DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency ELEVATION CERTIFICATE IMPORTANT: FOLLOW THE INSTRUCTIONS ON PAGES 9-16

OMB Control Number: 1660-0008 Expiration: 11/30/2018

Copy all pages of this Elevation Certificate and all attachments for (1) commu	nitr official (2) iasu	rance anenticomna		ilding owner.
SECTION A - PROPERTY INFORMATION	tich automit (T) then	FORM INSUR		
A1, Building Owner's Name REBECCA VARATUNGARAJAN & JONATHAN CABNET	Policy Number	*	-	
A2. Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Company NAIC Number:				
City VENTNOR CITY	Slate NJ		Zip Code	08406
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Le BLOCK 126 LOT 7	agai Description, et	ic.)	,	
A4. Bullding Use (e.g., Residential, Non-Residential, Addition, Accessory,	etc.)			
A5. Latitude/Longitude; Lat. 39-20-15 Long. 74-29-27 H	orizontal Datum:		(€ NAD 19	83
A6. Attach at least 2 photographs of the building if the Certificate is being	used to obtain floo	d insurance.		
A7. Building Diagram Number 8		•		
A8. For a building with a crawispace or enclosure(s):	A9. For a build	ding with an atlach	ed garage:	
a) Square footage of crawlspace or enclosure(s) 950SF sq ft	a) Square foot	lage of attached ga	arage N/A	pa
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot ahove adjacent grade		permanent flood of red garage within cent grade		
c) Total net area of flood openings in A8.b 1200SI sq in	c) Total net are	ea of flood opening	ıs in A9,b N <i>ii</i>	A sq
d) Engineered flood openings?	d) Engineered	l flood openings?	∩ Yes	(€ No
SECTION B - FLOOD INSURANCE RA	TE MAP (FIRM) IN	NFORMATION		
	unty Name NTIC			B3, State NJ
84. Mep/Panel Number B5. Suffix B6. FIRM Index Date B7. FIRM Pa Revised 6-18-71 9-15-83	Date A8	``'		ood Elevation(s) O, use base flood
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flo (FIS Profile (FIRM (Community Determined (Other/Source: B11. Indicate elevation datum used for BFE in Item B9: (NGVD 1929 (B12. Is the building located in a Coastal Barrier Resources System (CBRS) Designation Date: (CBRS (OPA)	NAVD 1988 ()	Olher/Source:	PA)? (Y	es (F No
SECTION C - BUILDING ELEVATION INFO	ORMATION (SUR)	VEY REQUIRED)		
	uilding Under Cons		Inished Con	struction
C2. Elevations - Zones A1 - A30, AE, AH, A (with BFE), VE, V1 - V30, V (w. Complete Items C2.a -h below according to the building diagram specified in A new Elevation Certificate will be required when construction of the building.	illem A7. In Puerto	A, AR/AE, AR/A1 - o Rico only, enter :	A30, AR/AH, meters.	, AR/AO.
	erilcal Datum: NGV			
ndicate elevation datum used for the elevations in items a) through h) below	/. (* NGVD 1929	(NAVE 1988		
outurn used for building elevations must be the same as that used for the BF	E.	c	Check the me	easurement used.
) Top of bottom floor (including basement, crawispace, or enclosure floor)	8.5		(feet	(meters
) Top of the next higher floor	13,47		lesi 🖜	(meters
Bottom of the lowest horizontal structural member (V Zones only)	N/A -		(* feet	(melers
) Attached garage (top of stab)) Lowest elevation of machinery or equipment servicing the building .	N/A -	***************************************	(* feet	(meters
(Describe type of equipment and location in Comments)	13.80 -		(€ feet	C meters
Lowest adjacent (finished) grade next to building (LAG)	8,5	<u>.</u>	(feet	C meters
Highest adjacent (finished) grade next to building (HAG)	8.8		(a feet	(melers
Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	8.5 -	**************************************	(feet	C melers

ELEVATION CERTIFICATE

OMB Control Number; 1660-0008 Expiration; 11/30/2018

20 N BUFFALO AVE

VENTNOR CITY

NJ

08406

OFFICE OF THE PARTY OF THE PART	aller (mros Ellerich			
SECTION D -: This certification is to be signed and sealed by a that the information on this Certificate represents		r, or arci	nlect authorized	by law to certify elevation information. I certify
punishable by fine or imprisonment under 18 U.S		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		The state of the s
Were latitude and longitude in Section A ∑ Check here if attachments, provided by a licensed land surveyor?				
Greek note it attachments.	(êYes (No		,	
Certifier's Name JAMES R BONEY PLS	ifler's Name License Number			
Title PROFESSIONAL LAND SURVEYOR	Company Name JAMES R BONEY & ASSOC.,LLC			PLACE SEAL HERE
Address	City EGG HARBOR TWP.	State NJ	Zip Code 08234	
Signature Banen	Dale 8-7-16	Telepho +1 (6	one 09) 788-8013	
Copy both sides of this Elevation Certificate for (1) community official, (2) insuran	ice agent/compa	ny, and (3) building owner.
Comments (including type of equipment and loce TWO STORY FRAME DWELLING A/C IS OUTS ELEVATION. THE CRAWLSPACE IS EQUIPPE THERE IS NO DUCTWORK IN THE CRAWLSPACE.	IDE ON PLATFORM. A D WITH SMARTVENT	ALL OTH		ALS ARE AT OR ABOVE THE FF
Maney				
Signature				Date 6-7-16
SECTION E -ÁUILDING ELEVATION INFO For Zones AO and A (without.BFE), complete Iter Sections A, B,and C. For Ilems E1 -E4, use natur	ns E1 -E5, If the Certific	cale is in	lended to suppo	rt a LOMA or LOMR-F request, complete
E1. Provide elevation information for the following highest adjacent grade (HAG) and the lowest	and check the appropr adjacent grade (LAG).	iate boxe	es to show wheth	ner the elevation is above or below the
Top of bottom floor (including basement, or or enclosure) is	rawispace,		⊂feel ⊂m	eters above or below the HAG.
b) Top of bottom floor (including basement, or or enclosure) is	rawispace,		Cleet Cme	etersabove or · below the LAG.
2. For Building Diagrams 6 -9 with permanent flo igher floor (elevation C2.b in the diagrams) of the	od openings provided i building is	n Section		or 9 (see pages 8 -9 of instructions), the next meters above or below the HAG.
3. Attached garage (lop of slab) is			C feet C me	iters above or below the HAG.
 Top of platform of machinery and for equipme erylcing the building is 	nt		Cleel Cme	ters 🔲 above or 🔲 below the HAG.
5, Zone AO only: If no flood depth number is ava nanagement ordinance? (Yes (No (U	ilable, is the top of the l inknown. The local offic	bettem fle plat must	oor elevated in a certify this infor	coordance with the community's floodplain mation in Section G.
SECTION F - PROPERT				
he property owner or owner's authorized represe ommunity-issued BFE) or Zone AO must sign her	e. The statements in S			
roperty Owner or Owner's Authorized Represent	· · · · · · · · · · · · · · · · · · ·			
ddress	City		State	ZIP Code
fgnalure	Date		Telephone	
omments				Chaoli haza ii attashmanta

OMB Control Number: 1680-0008 Expiration: 11/30/2018

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.				
G1. 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 AO.	E for a building locate	d in Zone A	(without a FEMA-iss	sued or community-issued BFE) or Zone
G3. The following information (items G4 -G	10) is provided for cam	munity floo	dpiain management	purposes.
G4. Permit Number	G5, Date Permit Issue	∍d	G6. Date Certificate	of Compliance/Occupancy Issued
G7. This permit has been issued for: (*) New Co	nstruction (Substa	ntial improv	/ement	· · · · · · · · · · · · · · · · · · ·
GB. Elevation of as-built lowest floor (including be of the building:	asement)		← feel ← meters	Dalum
G9, BFE or (in Zone AO) depth of flooding at the site:	building		Cfeel Cmeters	Dalum
G10. Community's design flood elevation:			Cfeet € meters	Datum
Land Officially bloms	lier.	Title	L-F.m.	,
Community Name Ventros		Telephone	60982	<u>४-</u> २ ५४
Signature	-	Dale	6-9-16	
Comments				
·				
· ·				
		•		
•				
				Check here if attachments.

BUILDING PHOTOGRAPHS

See instructions for Item A6

OMB Control Number: 1660-0008 Expiration: 11/30/2018

IMPO	RTANT: In these spaces, copy the co	FOR INSURANCE COMPANY USE	
1	ng Street Address (Including Apt., Unit, 5 20 N BUFFALO AVE	Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number:
City	VENTNOR CITY	Stale NJ Zip Code 08406	Company NAIC Number:

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.

FRONT 5-25-16



REAR 5-25-16

