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 - PROPERTY INFORMATION	FOR INSURANCE COMPANY USE
A1. Building Owner's Name Barrels Properties, LLC	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 9 South Granville Avenue	Company NAIC Number:
City State	ZIP Code
Margate New Jersey	08102
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Block 108.02 Lot 19	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential	
A5. Latitude/Longitude: Lat. N 39°19'44.31" Long. W 074°29'57.78" Horizontal Datu	m: NAD 1927 X NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insu	rance.
A7. Building Diagram Number7	
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s) 983.00 sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above	e adjacent grade 7
c) Total net area of flood openings in A8.b 1400.00 sq in	And in discharged and description to select an indigent and and an indigent an indigent and an indigent an indigent and an ind
d) Engineered flood openings? X Yes No	
A9. For a building with an attached garage:	
a) Square footage of attached garageN/A sq ft	
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent	grade N/A
c) Total net area of flood openings in A9.b N/A sq in	
d) Engineered flood openings?	
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORM	ATION
B1. NFIP Community Name & Community Number City of Margate #345304 B2. County Name Atlantic	B3. State New Jersey
	Base Flood Elevation(s) (Zone AO, use Base Flood Depth)
34001C0453 F 08-28-2018 08-28-2018 AE 10.0)
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Itel	m B9:
B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 X NAVD 1988 O	ther/Source:
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Prof	ected Area (OPA)? Yes No
Designation Date: CBRS OPA	

, ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corresponding	information from Sec	tion A.			CE COMPANY USE		
Building Street Address (including Apt., Unit, Suite, and/or 9 South Granville Avenue	Bldg. No.) or P.O. Rou	ite and Box No.		Number:			
	te ZIP	Code	Compa	any NAIC	Number		
Margate New	w Jersey 081	02					
SECTION C – BUILDING EL							
C1. Building elevations are based on: Construction *A new Elevation Certificate will be required when construction	· · · · · · · · · · · · · · · · · · ·	ding Under Construing is complete.	iction*	⊠ Finis	shed Construction		
A A A A A A A A A A A A A A A A (with REE)	VE V1-V30 V (with B	FE) AR AR/A AR/	AE, AR	/A1-A30,	AR/AH, AR/AO.		
C2. Elevations – Zones AT – A30, AE, AH, A (with br E), Complete Items C2.a–h below according to the build Benchmark Utilized: PID# JU2467	ding diagram specified Vertical Datum:	m nem A7. m ruen	o Rico (only, enter	meters.		
Indicate elevation datum used for the elevations in it	tems a) through h) belo	W.					
☐ NGVD 1929 区 NAVD 1988 ☐ Other/S							
Datum used for building elevations must be the sam		BFE.	Δ1.				
				MANAGE .	easurement used. meters		
 a) Top of bottom floor (including basement, crawls; 	pace, or enclosure floor)	6.9	harman	Section 2		
b) Top of the next higher floor		that a language and any shiple in the 1-th 1-th 1-th 1-th 1-th 1-th 1-th 1-th	17.5		meters		
c) Bottom of the lowest horizontal structural member	er (V Zones only)		N/A		meters meters		
d) Attached garage (top of slab)		gind ground representation of the state of t	N/A		meters meters		
e) Lowest elevation of machinery or equipment ser (Describe type of equipment and location in Con	vicing the building nments)	alle to the second seco	11.4	⊠ feet	meters		
f) Lowest adjacent (finished) grade next to building			6.4		meters		
g) Highest adjacent (finished) grade next to building		Michael and National Anna Market and Space of the Space o	6.9		meters		
h) Lowest adjacent grade at lowest elevation of dec structural support		jangan namik kalantania kalahakakaka Hidara Hidara Hidara Nama 2 nd 4 4 4 4 4 4 4 1 4 1 4 1 4 1 4 1 4 1 4	5.9		meters		
SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION							
This certification is to be signed and sealed by a land su I certify that the information on this Certificate represents statement may be punishable by fine or imprisonment up	s mv best efforts to inte	rbret the data avalla	y law to able. I u	certify ele nderstand	vation information. I that any false		
Were latitude and longitude in Section A provided by a li	censed land surveyor?	⊠Yes □ No	\boxtimes	Check he	ere if attachments.		
Certifier's Name	License Number						
Steven C. Woodrow	27514						
Title					unit; pure en la companya de la companya d		
Land Surveyor		kan kalundakin kalunda na kananan na manan na m		100	lace		
Company Name Dante Guzzi engineering Associates					563		
Address 418 Stokes Road					-lere		
City Medford	State New Jersey	ZIP Code 08055	no agus al lafan				
Signature Steve C. Workin	Date 07-14-2020	Telephone (609) 654-4440	Ext.		муниция вы выворь фотуровання выпорава напрого на подоставления выпорава на подоставления в на подоставления в		
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, pe A8a) Total area for two separate enclosures: 1)80 SF ele	r C2(e), if applicable)			. E susta	All vents are		
"SMART VENT" Model# 1540-520 certified to provide 20 open entry way, not fully enclosed. The lowest equipmen	evator with 2 vents; 2)90 00 SF of flood protection	n each. There is als	o a 320	SF storaç	ge/trash area with an		
"SMART VENT" Model# 1540-520 certified to provide 20 open entry way, not fully enclosed. The lowest equipmen DGEA Proj# C-15-222	evator with 2 vents; 2)90 00 SF of flood protection	n each. There is als	o a 320	SF storaç	ge/trash area with an		

ELEVATION CERTIFICATE

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

IMPORTANT, III (11636 3Dacco, cop) and control	ding informatior	n from Section A.		FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, ar	nd/or Bldg. No.) o	r P.O. Route and Box	No.	Policy Number:
9 South Granville Avenue				
City	State	ZIP Code		Company NAIC Number
Margate	New Jersey	08102		
SECTION E – BUILDING E FOR ZON	LEVATION INFO	ORMATION (SURVE NE A (WITHOUT BF	Y NOT E)	REQUIRED)
For Zones AO and A (without BFE), complete Items E complete Sections A, B, and C. For Items E1–E4, use enter meters.	1–E5. If the Cert natural grade, if	ificate is intended to s available. Check the r	upport a neasurer	LOMA or LOMR-F request, nent used. In Puerto Rico only,
E1. Provide elevation information for the following an the highest adjacent grade (HAG) and the lowest a) Top of bottom floor (including basement,	d check the appr adjacent grade (opriate boxes to show (LAG).	whether	the elevation is above or below
crawlspace, or enclosure) is		feet [meter	s above or below the HAG.
 Top of bottom floor (including basement, crawlspace, or enclosure) is 		[] feet [meter	s above or below the LAG.
E2. For Building Diagrams 6–9 with permanent flood	openinas provide	ed 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	promoting generally
E3. Attached garage (top of slab) is		[] feet [meter	s above or below the HAG.
E4. Top of platform of machinery and/or equipment servicing the building is		feet [meter	s above or below the HAG.
E5. Zone AO only: If no flood depth number is availal	ble, is the top of t	he bottom floor elevat	ed in acc al must c	cordance with the community's certify this information in Section G.
SECTION F - PROPERTY OV	VNER (OR OWN	ER'S REPRESENTAT	TIVE) CE	RTIFICATION
The property owner or owner's authorized representa community-issued BFE) or Zone AO must sign here.	tive who complete The statements in	es Sections A, B, and n Sections A, B, and E	E for Zo	ne A (without a FEMA-issued or ect to the best of my knowledge.
Property Owner or Owner's Authorized Representativ	e's Name			
Address	arra dentra arrango primo para pagrapo propuente de descripto plante de mendo al Hame (M. Padellella de MAR.	City	Sta	ate ZIP Code
Address		City	Sta	ate ZIP Code
Address Signature		City		ephone
		SIDARA AMBILIMAN NAMASANDAN PANDAN NAMASANDAN NAMASANDA		
Signature		SIDARA AMBILIMAN NAMASANDAN PANDAN NAMASANDAN NAMASANDA		
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Signature		SIDARA AMBILIMAN NAMASANDAN PANDAN NAMASANDAN NAMASANDA		

OMB No. 1660-0008 Expiration Date: November 30, 2022 **ELEVATION CERTIFICATE** 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: 9 South Granville Avenue Company NAIC Number ZIP Code State City 08102 New Jersey Margate 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.) A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) G2. or Zone AO The following information (Items G4-G10) is provided for community floodplain management purposes. G6. Date Certificate of G5. Date Permit Issued G4. Permit Number Compliance/Occupancy Issued New Construction Substantial Improvement G7. This permit has been issued for: G8. Elevation of as-built lowest floor (including basement) feet meters of the building: 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: Title Local Official's Name CFM Jim Galantino 607. 822.1974 7/20/2020 Telephone Community Name Date Signature Comments (including type of equipment and location, per C2(e), if applicable)

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

See Instructions for Item A6.

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

IMPORTANT: In these spaces, copy	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt	Policy Number:		
9 South Granville Avenue			
City	State	ZIP Code	Company NAIC Number
Margate	New Jersey	08102	

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 RIGHT SIDE VIEW (OFFICE) (07/10/2020)

Clear Photo One



Photo Two

Photo Two Caption LEFT SIDE VIEW (OFFICE) (07/10/2020)

Clear Photo Two

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2022

IMPORTANT: In these spaces, co	FOR INSURANCE COMPANY USE		
Building Street Address (including 9 South Granville Avenue	Policy Number:		
City Margate	State New Jersey	ZIP Code 08102	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.



Photo Three Caption RIGHT SIDE VIEW (ELEVATOR) (07/10/2020)

Clear Photo Three

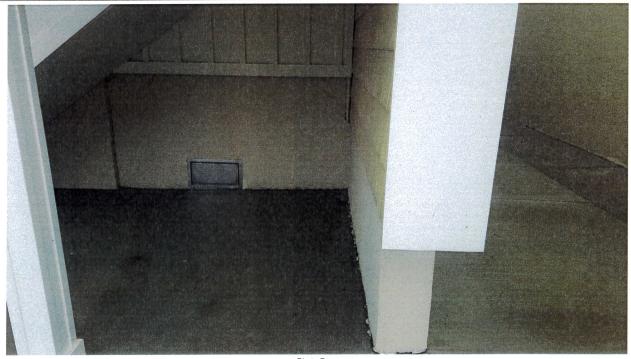


Photo Four

Photo Four Caption REAR ELEVATOR VENT (07/10/2020)

Clear Photo Four



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)[†]

 $^{\dagger}\text{The ADIBC}$ 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

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MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)
FloodVENT®	1540-520	$15^3/_4$ " $\times 7^3/_4$ "	200
SmartVENT [®]	1540-510	15 ³ / ₄ " × 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 " × 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

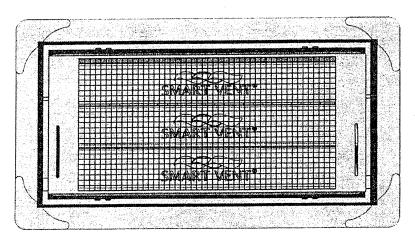


FIGURE 1-SMART VENT: MODEL 1540-510