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

OMB No. 1660-0008 Expiration Date: November 30, 2018

# **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							ber:		
LLP Investments									
<ul> <li>A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.</li> <li>114-116 N. Jefferson Ave.</li> </ul>						Company NAIC Number:			
City				State		ZIP Code			
CITY OF MARGATE				New Jersey		08402 			
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)  Block 329 Lot 412									
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL						ınit Condor	ninium		
A5. Latitude/Longitude: Lat. N 39.3232 Long. W 074.5174 Horizontal Datu						□ 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 6									
A8. For a building with a crawlspace or enclosure(s):									
a) Square footage of crawlspace or enclosure(s) 2,780 sq ft									
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 14									
c) Total net area of flood openings in A8.b 2,800 sq in									
d) Engineered flood openings? X Yes No									
A9. For a building with an attached garage:									
a) Square footage of attached garage 0 sq ft									
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade0									
c) Total net area of flood openings in A9.b o sq in									
d) Engineered flood openings?   Yes   No									
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION									
B1. NFIP Community Name & Community Number B2. County Name							B3. State		
CITY OF MARGATE & 345304 ATLANTIC COUNTY New Jersey							New Jersey		
B4. Map/Panel B	35. Suffix	B6. FIRM Index Date		IRM Panel ffective/	B8. Flood Zone(s)		se Flood Elevation(s) ne AO, use Base		
345304/0001 C	,	10/18/1983	R	evised Date //1983	A8**	Floo	od Depth)		
343304/0001		10/16/1963	10/16	/ 1903	Ao	10**			
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:									
FIS Profile X FIRM Community Determined Other/Source:									
B11. Indicate elevation datum used for BFE in Item B9: X NGVD 1929 NAVD 1988 Other/Source:									
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? 🗌 Yes 🗵 No									
Designation Date: CBRS OPA									

OMB No. 1660-0008 **ELEVATION CERTIFICATE** Expiration Date: November 30, 2018 IMPORTANT: In these spaces, copy the corresponding information from Section A. FOR INSURANCE COMPANY USE ilding Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Policy Number: 4-116 N. Jefferson Ave. City State ZIP Code Company NAIC Number CITY OF MARGATE New Jersey 08402 SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED) ☐ Construction Drawings\* C1. Building elevations are based on: ☐ Building Under Construction\* X Finished Construction \*A new Elevation Certificate will be required when construction of the building is complete. C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: private Vertical Datum: NGVD29 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) 5.9 X feet meters 15 0 b) Top of the next higher floor x feet ☐ meters c) Bottom of the lowest horizontal structural member (V Zones only) N/A x feet meters N/A d) Attached garage (top of slab) x feet meters e) Lowest elevation of machinery or equipment servicing the building 12.9 x feet ☐ meters (Describe type of equipment and location in Comments) f) Lowest adjacent (finished) grade next to building (LAG) 5.8 x feet meters g) Highest adjacent (finished) grade next to building (HAG) 5.9 x feet meters h) Lowest adjacent grade at lowest elevation of deck or stairs, including 5 6 x feet meters structural support SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001. Were latitude and longitude in Section A provided by a licensed land surveyor? X Yes No X Check here if attachments. Certifier's Name License Number Paul M. Koelling, PLS, CFM NJ24GS 04328800 Licensed Land Surveyor Company Name Place Paul Koelling & Associates, LLC NJ C.O.A. No. 24GA28256300 Seal Here Address 2161 Shore Road City State ZIP Code Linwood **New Jersey** 08221 Signature Date Telephone 3-21-17 (609) 927-0279 Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)

\*A8.) Smart Vents model #1540-520 engineered for 200 sq. inches of net area each (see attached) installed on exterior walls of nclosure

\*B8 & B9.) FEMA Pre-FIRM Zone "AE".....Base Flood Elevation 9 ft. (NAVD88) converted = 10.3 ft. (NGVD29)

\*\*\*C2a.) Enclosure with garages, storage areas, and, trash enclosures

\*\*\*\*C2e.) Ductwork elev. 12.9, interior electrical outlet elev. 9.6, exterior electrical outlet elev. 11.9, exterior air unit elev. 13.9

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IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE								
ling Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1116 N. Jefferson Ave.	Policy Number:								
City State ZIP Code CITY OF MARGATE New Jersey 08402	Company NAIC Number								
SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)									
For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B,and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.									
<ul><li>E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).</li><li>a) Top of bottom floor (including basement,</li></ul>									
crawlspace, or enclosure) is feet _ meter b) Top of bottom floor (including basement, crawlspace, or enclosure) is feet _ meter									
E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or the next higher floor (elevation C2.b in the diagrams) of the building is									
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 available, is the top of the bottom floor elevated in ac floodplain management ordinance?   Yes No Unknown. The local official must of the bottom floor elevated in accompany to the control of the bottom floor elevated in accompany to th	cordance with the community's certify this information in Section G.								
SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION									
The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.									
Property Owner or Owner's Authorized Representative's Name									
Address City St.	ate ZIP Code								
Signature Date Te	lephone								
Comments									
	:								
	P.								
	eq.								
☐ Check here if attachments.									

## **ELEVATION CERTIFICATE**

OMB No. 1660-0008 Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A. FOR INSURANCE COMPANY USE ilding Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Policy Number: 4-116 N. Jefferson Ave. ZIP Code Company NAIC Number State City 08402 **New Jersey** CITY OF 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. G3. G5. Date Permit Issued G6. Date Certificate of G4. Permit Number Compliance/Occupancy Issued □ New Construction □ Substantial Improvement
 G7. This permit has been issued for: Elevation of as-built lowest floor (including basement) feet meters Datum of the building: feet meters Datum .9. 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 Community Name Telephone Date Signature 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:

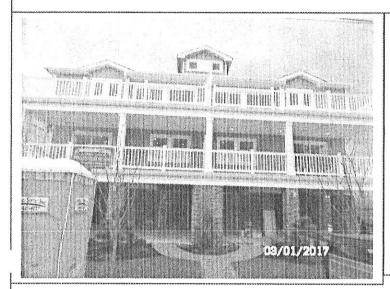
Building Street Address (including Apt., Unit, Suite, and/or Bldg.) No. or P.O. Route and Box No. 114-116 N. Jefferson Ave.

**Policy Number** 

City Margate State NJ ZIP Code 08402

Company NAIC Number

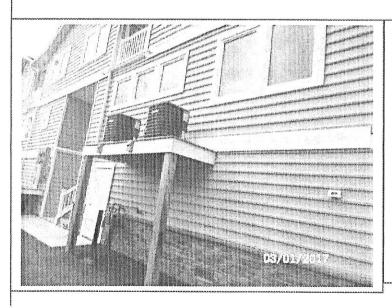
If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page on the reverse.

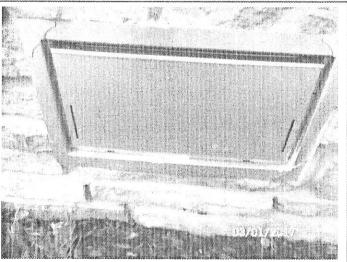




Front View - Date of Photograph: (See Photo Stamp)

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





Right Side View - Date of Photograph: (See Photo Stamp)

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



## **ICC-ES Evaluation Report**

ESR-2074\*

Reissued December 2012

This report is subject to renewal February 1, 2015.

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:

SMARTVENT PRODUCTS, INC. 430 ANDBRO DRIVE, UNIT 1 PITMAN, NEW JERSEY 08071 (877) 441-8368 www.smartvent.com info@smartvent.com

#### **EVALUATION SUBJECT:**

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: FLOODVENT™ MODEL #1540-520; FLOODVENT™ STACKING MODEL #1540-521; SMARTVENT™ MODEL #1540-510; SMARTVENT™ STACKING MODEL #1540-511; WOOD WALL FLOOD MODEL #1540-570; WOOD WALL FLOOD OVERHEAD DOOR MODEL #1540-574; FLOODVENT™ OVERHEAD DOOR MODEL #1540-524; SMARTVENT™ OVERHEAD DOOR MODEL #1540-514

#### 1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2009 and 2006 International Building Code® (IBC)
- 2009 and 2006 International Residential Code® (IRC)

## Properties evaluated:

- Physical operation
- Water flow

### **2.0 USES**

The Smart Vent<sup>®</sup> units are automatic foundation flood vents (AFFVs) employed to equalize hydrostatic pressure on nonfire-resistance-rated foundation walls, rolling-type overhead doors and building walls subject to rising or falling flood waters. The Smart Vent<sup>®</sup> units are intended for use where flood hazard areas have been established in accordance with IBC Section 1612.3 or IRC Section R3222.1. Certain models also allow natural ventilation in accordance with Section 1203 of the IBC or Section 408.1 of the IRC.

#### 3.0 DESCRIPTION

### 3.1 General:

When subjected to pressure from rising water, the Smart Vent® AFFVs disengage, 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 AFFV 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 plate to rotate out of the way and allow flow. The water level stabilizes, equalizing the lateral forces. Each unit is fabricated from stainless steel. The SmartVENT<sup>TM</sup> Stacking Model #1540-511 and FloodVENT<sup>TM</sup> Stacking Model #1540-521 units each contain two vertically arranged openings per unit.

### 3.2 Engineered Opening:

The AFFVs comply with the design principle noted in Section 2.6.2.2 of ASCE/SEI 24 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 AFFVs must be installed in accordance with Section 4.0.

#### 3.3 Model Sizes:

The FloodVENT™ Model #1540-520, SmartVENT™ Model #1540-510, FloodVENT™ Overhead Door Model #1540-524, and SmartVENT™ Overhead Door Model #1540-514 units measure 15³/₄ inches wide by 7³/₄ inches high (400 by 196.9 mm). The Wood Wall Flood Model #1540-570 and Wood Wall Flood Overhead Door Model #1540-574 units measure 14 inches wide by 8³/₄ inches high (355.6 by 222.25 mm). The SmartVENT™ Stacking Model #1540-511 and FloodVENT™ Stacking Model #1540-521 units measure 16 inches wide by 16 inches high (406.4 by 406.4 mm).

#### 3.4 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 AFFVs recognized in this report do not offer natural ventilation.

### 4.0 INSTALLATION

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. The mounting straps allow mounting in wood, masonry and