U.S. DEPASTMENT OF HOMELAND SECURITY FEDEPAL EMERGENCY MANAGEMENT AGENCY National Flood Insurance Program

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008 Expiration Date: July 31, 2015

| SECTION A – PROPERTY INFORMATION | n de la National de la constant de l |
|---|--|
| A1. Building Owner's Name The Sullivan's | |
| A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 313 N. Wilson Ave. | |
| City CITY OF MARGATE CITY State NJ ZIP Code 08402 | |
| A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) BLOCK 523 LOT 2 | |
| A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>RESIDENTIAL</u> A5. Latitude/Longitude: Lat. <u>N 39.3280</u> Long. <u>W 074.5156</u> Horizontal Datum: □ NAD 1927 ⊠ 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 <u>7</u> A8. For a building with a crawlspace or enclosure(s): A9. For a building with an at a) Square footage of crawlspace or enclosure(s) <u>792</u> sq ft a) Square footage of ad b) Number of permanent flood openings in the crawlspace or enclosure <u>4*</u> c) Total net area of flood openings in A8.b <u>800*</u> sq in c) Total net area of flood openings? ⊠ Yes □ No | tached garage <u>N/A</u> sq ft nt flood openings in the attached garage adjacent grade <u>N/A</u> d openings in A9.b <u>N/A</u> sq in |
| SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATI | ON |
| B1. NFIP Community Name & Community Number B2. County Name CITY OF MARGATE 345304 ATLANTIC COUNTY | B3. State NJ |
| B4. Map/Panel Number B5. Suffix B6. FIRM Index Date B7. FIRM Panel B8. Flood 345304 / 0001 C No Index Printed 10/18/1983 A8** | B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 10** |
| B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. □ FIS Profile □ FIRM □ Community Determined □ Other/Source: B11. Indicate elevation datum used for BFE in Item B9: □ NGVD 1929 □ NAVD 1988 □ Other/Source B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? □ CBRS □ OPA | ☐ Yes ⊠ No |
| SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQU | |
| C1. Building elevations are based on: Construction Drawings* Building Under 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, AI below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: private Vertical Datum: NGVD 1929 Indicate elevation datum used for the elevations in items a) through h) below. MOVD 1929 INAVD 1988 | ☑ Finished Construction A/AH, AR/AO. Complete Items C2.a-h |
| Datum used for building elevations must be the same as that used for the BFE. | Other/Source: |
| Che | ck the measurement used. |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) <u>5.6***</u> | ck the measurement used. ⊠ feet ☐ meters |
| Che | ck the measurement used. |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.6*** b) Top of the next higher floor 13.5 c) Bottom of the lowest horizontal structural member (V Zones only) N/A d) Attached garage (top of slab) N/A | ck the measurement used. |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.6*** b) Top of the next higher floor 13.5 c) Bottom of the lowest horizontal structural member (V Zones only) N/A. | ck the measurement used. ⊠ feet ☐ meters ⊠ feet ☐ meters ⊠ feet ☐ meters |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.6*** b) Top of the next higher floor 13.5 c) Bottom of the lowest horizontal structural member (V Zones only) N/A. d) Attached garage (top of slab) N/A.' e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 13.7**** f) Lowest adjacent (finished) grade next to building (LAG) 5.0 | ck the measurement used. Set in meters feet in meters |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.6*** b) Top of the next higher floor 13.5 c) Bottom of the lowest horizontal structural member (V Zones only) N/A d) Attached garage (top of slab) N/A e) Lowest elevation of machinery or equipment servicing the building 13.7**** (Describe type of equipment and location in Comments) 13.7**** | ck the measurement used. I feet I meters I feet I meters |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.6*** b) Top of the next higher floor 13.5 c) Bottom of the lowest horizontal structural member (V Zones only) N/A. d) Attached garage (top of slab) N/A. e) Lowest elevation of machinery or equipment servicing the building 13.7**** (Describe type of equipment and location in Comments) 13.7**** f) Lowest adjacent (finished) grade next to building (LAG) 5.0 g) Highest adjacent grade at lowest elevation of deck or stairs, including structural support N/A. | ck the measurement used. |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.6*** b) Top of the next higher floor 13.5 c) Bottom of the lowest horizontal structural member (V Zones only) N/A. d) Attached garage (top of slab) N/A. e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 13.7**** f) Lowest adjacent (finished) grade next to building (LAG) 5.0 g) Highest adjacent (finished) grade next to building (HAG) 5.4 | ck the measurement used. |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.6*** b) Top of the next higher floor 13.5 c) Bottom of the lowest horizontal structural member (V Zones only) N/A. d) Attached garage (top of slab) N/A. e) Lowest elevation of machinery or equipment servicing the building 13.7**** (Describe type of equipment and location in Comments) 13.7**** f) Lowest adjacent (finished) grade next to building (LAG) 5.0 g) Highest adjacent (finished) grade next to building (HAG) 5.4 h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support N/A. | ck the measurement used. |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.6*** b) Top of the next higher floor 13.5 c) Bottom of the lowest horizontal structural member (V Zones only) N/A. d) Attached garage (top of slab) N/A.' e) Lowest elevation of machinery or equipment servicing the building 13.7**** (Describe type of equipment and location in Comments) 13.7**** f) Lowest adjacent (finished) grade next to building (LAG) 5.0 g) Highest adjacent (finished) grade next to building (HAG) 5.4 h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support N/A SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICAT This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevinformation. <i>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.</i> ⊠ Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by | ck the measurement used. A feet meters feet meters PLACE SEAL UN |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.6*** b) Top of the next higher floor 13.5 c) Bottom of the lowest horizontal structural member (V Zones only) N/A. d) Attached garage (top of slab) N/A. e) Lowest elevation of machinery or equipment servicing the building 13.7**** (Describe type of equipment and location in Comments) 13.7**** f) Lowest adjacent (finished) grade next to building (LAG) 5.0 g) Highest adjacent (finished) grade next to building (HAG) 5.4 h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support N/A. This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify eleve information. <i>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. \(\Box Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by licensed land surveyor? \(\Box Check here if attachments. Urderstand land surveyor? Yes No </i> | ck the measurement used. A feet meters feet meters PLACE SEAL UN |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5.6*** b) Top of the next higher floor 13.5 c) Bottom of the lowest horizontal structural member (V Zones only) N/A. d) Attached garage (top of slab) N/A. e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 13.7**** f) Lowest adjacent (finished) grade next to building (LAG) 5.0 g) Highest adjacent (finished) grade next to building (HAG) 5.4 h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support N/A. This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elever information. <i>I certify that the information on this Certificate represents my best efforts to interpret the data available.</i> <i>I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.</i> \(\Box Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by licensed land surveyor? Yes No Certifier's Name Paul M. Koelling, PLS, CFM License Number NJ24GS 04328800 D | ck the measurement used. A feet meters feet meters PLACE SEAL UN |

| the second se | s, copy the corresponding information from Section A. | FOR INSURANCE COMPANY USE |
|---|--|---|
| JIG Street Address (including A | Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. | Policy Number |
| City MARGATE | State NJ ZIP Code 08402 | Company NAIC Number |
| SECTIO | ON D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFIC | |
| C _ both sides of this Elevation Ce | certificate for (1) community official, (2) insurance agent/company, and (3 | 3) building owner. |
| | 510 engineered for 200 square inches of net area "AE"Base Flood Elevation 9 ft. (NAVD88) converted = 10.3 ft. (NGN er elevation | VD29) |
| Signature | Date 5/19/15 | |
| SECTION E - BUILDING EL | LEVATION INFORMATION (SURVEY NOT REQUIRED) FOR 2 | ZONE AO AND ZONE A (WITHOUT BFE) |
| and C. For Items E1–E4, use natura E1. Provide elevation information f grade (HAG) and the lowest ar a) Top of bottom floor (includin b) Top of bottom floor (includin E2. For Building Diagrams 6–9 wit (elevation C2.b in the diagram E3. Attached garage (top of slab) is E4. Top of platform of machinery a E5. Zone AO only: If no flood dept ordinance? ☐ Yes ☐ No SECTIO The property owner or owner's authoor Zone AO must sign here. The state | ng basement, crawlspace, or enclosure) is feet ng basement, crawlspace, or enclosure) is feet th permanent flood openings provided in Section A Items 8 and/or 9 (se ns) of the building is feet meters above or is feet meters above or below the H and/or equipment servicing the building is feet meters th number is available, is the top of the bottom floor elevated in accorda Unknown. The local official must certify this information in Section ON F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE prized representative who completes Sections A, B, and E for Zone A (vertements in Sections A, B, and E are correct to the best of my knowledge | y, enter meters. elevation is above or below the highest adjacent 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. HAG. eters above or below the HAG. ance with the community's floodplain management G. VE) CERTIFICATION without a FEMA-issued or community-issued BFE) |
| /ess | City Date | State ZIP Code Telephone |
| ress | City | |
| ress | City | Telephone |
| Signature Comments | City Date SECTION G – COMMUNITY INFORMATION (OPTION | Telephone |
| /ess Signature Comments ne local official who is authorized by lattis Elevation Certificate. Complete th 1. The information in Section C is authorized by law to certify 2. A community official completed | City Date | Telephone Check here if attachment NAL) dinance can complete Sections A, B, C (or E), and G ems G8–G10. In Puerto Rico only, enter meters. I by a licensed surveyor, engineer, or architect who data in the Comments area below.) or community-issued BFE) or Zone AO. |
| ress Signature Comments he local official who is authorized by lat this Elevation Certificate. Complete th 1. The information in Section C is authorized by law to certify 2. A community official complete 3. The following information (Ite | City Date SECTION G – COMMUNITY INFORMATION (OPTION aw or ordinance to administer the community's floodplain management or he applicable item(s) and sign below. Check the measurement used in Ite C was taken from other documentation that has been signed and sealed by elevation information. (Indicate the source and date of the elevation of the Section E for a building located in Zone A (without a FEMA-issued of ems G4–G10) is provided for community floodplain management purpose | Telephone Check here if attachment NAL) dinance can complete Sections A, B, C (or E), and G ems G8–G10. In Puerto Rico only, enter meters. I by a licensed surveyor, engineer, or architect who data in the Comments area below.) or community-issued BFE) or Zone AO. |
| /ess Signature Comments he local official who is authorized by latithis Elevation Certificate. Complete that 1. □ The information in Section C is authorized by law to certify 2. □ A community official complete 3. □ The following information (Itelegate G4. Permit Number This permit has been issued for: 8. Elevation of as-built lowest floor (if g). BFE or (in Zone AO) depth of floor 10. Community's design flood elevation | City Date SECTION G – COMMUNITY INFORMATION (OPTION aw or ordinance to administer the community's floodplain management or he applicable item(s) and sign below. Check the measurement used in Ite C was taken from other documentation that has been signed and sealed by elevation information. (Indicate the source and date of the elevation of the d Section E for a building located in Zone A (without a FEMA-issued of ems G4–G10) is provided for community floodplain management purpose G5. Date Permit Issued G5. Date Permit Issued G6. Date Certification including basement) of the building: Image: I | Telephone Check here if attachment VAL) dinance can complete Sections A, B, C (or E), and G ems G8–G10. In Puerto Rico only, enter meters. I by a licensed surveyor, engineer, or architect who data in the Comments area below.) or community-issued BFE) or Zone AO. ses. ate Of Compliance/Occupancy Issued meters Datum |
| /ess Signature Comments ne local official who is authorized by latter this Elevation Certificate. Complete that this Elevation Certificate. Complete that the information in Section C is authorized by law to certify 1. □ The information in Section C is authorized by law to certify 2. □ A community official complete 3. □ The following information (Iteled) 54. Permit Number This permit has been issued for: 7. This permit has been issued for: Elevation of as-built lowest floor (ifeld) 9. BFE or (in Zone AO) depth of floo 10. Community's design flood elevation 10. Community's Name 10. Social Official's Name | City Date SECTION G – COMMUNITY INFORMATION (OPTION aw or ordinance to administer the community's floodplain management or he applicable item(s) and sign below. Check the measurement used in Ite C was taken from other documentation that has been signed and sealed by elevation information. (Indicate the source and date of the elevation of ted Section E for a building located in Zone A (without a FEMA-issued of ems G4–G10) is provided for community floodplain management purpose G5. Date Permit Issued G5. Date Permit Issued G6. Date Certification including basement) of the building: Image: Image | Telephone Check here if attachment VAL) dinance can complete Sections A, B, C (or E), and G ems G8–G10. In Puerto Rico only, enter meters. I by a licensed surveyor, engineer, or architect who data in the Comments area below.) or community-issued BFE) or Zone AO. ses. ate Of Compliance/Occupancy Issued meters Datum |
| /ess Signature Comments ne local official who is authorized by lattice this Elevation Certificate. Complete that 1. □ The information in Section C is authorized by law to certify 2. □ A community official complete 3. □ The following information (Itelegate 54. Permit Number This permit has been issued for: 7. This permit has been issued for: Elevation of as-built lowest floor (ifeligate) 10. Community's design flood elevation Itelevation I. □ The Xone | City Date SECTION G – COMMUNITY INFORMATION (OPTION aw or ordinance to administer the community's floodplain management or he applicable item(s) and sign below. Check the measurement used in Ite C was taken from other documentation that has been signed and sealed by elevation information. (Indicate the source and date of the elevation of the d Section E for a building located in Zone A (without a FEMA-issued of ems G4–G10) is provided for community floodplain management purpose G5. Date Permit Issued G5. Date Permit Issued G6. Date Certification including basement) of the building: Image: I | Telephone Check here if attachment VAL) dinance can complete Sections A, B, C (or E), and G ems G8–G10. In Puerto Rico only, enter meters. I by a licensed surveyor, engineer, or architect who data in the Comments area below.) or community-issued BFE) or Zone AO. ses. ate Of Compliance/Occupancy Issued meters Datum |
| /ess Signature Comments ne local official who is authorized by latthis Elevation Certificate. Complete th 1. The information in Section C is authorized by law to certify 2. A community official complet 3. The following information (Iteled) 34. Permit Number 75. This permit has been issued for: 36. Elevation of as-built lowest floor (ifeld) 37. This permit has been issued for: 36. Elevation of as-built lowest floor (ifeld) 37. This permit has been issued for: 38. Elevation of as-built lowest floor (ifeld) 39. BFE or (in Zone AO) depth of flood) 30. Community's design flood elevation 30. Community Name | City Date SECTION G – COMMUNITY INFORMATION (OPTION aw or ordinance to administer the community's floodplain management or he applicable item(s) and sign below. Check the measurement used in Ite C was taken from other documentation that has been signed and sealed by elevation information. (Indicate the source and date of the elevation of ted Section E for a building located in Zone A (without a FEMA-issued of ems G4–G10) is provided for community floodplain management purpose G5. Date Permit Issued G5. Date Permit Issued G6. Date Certification including basement) of the building: Image: Image | Telephone Check here if attachment VAL) dinance can complete Sections A, B, C (or E), and G ems G8–G10. In Puerto Rico only, enter meters. I by a licensed surveyor, engineer, or architect who data in the Comments area below.) or community-issued BFE) or Zone AO. ses. ate Of Compliance/Occupancy Issued meters Datum eters Datum |
| /ess Signature Comments he local official who is authorized by later this Elevation Certificate. Complete the section Certificate. Complete the section Certificate of the section of the | City Date SECTION G – COMMUNITY INFORMATION (OPTION aw or ordinance to administer the community's floodplain management or he applicable item(s) and sign below. Check the measurement used in Ite C was taken from other documentation that has been signed and sealed by elevation information. (Indicate the source and date of the elevation of ted Section E for a building located in Zone A (without a FEMA-issued c ems G4–G10) is provided for community floodplain management purpose [G5. Date Permit Issued [G6. Date Certification [Including basement] of the building: [feet] m oding at the building site: [feet] m ion: [feet] m Title | Telephone Check here if attachments VAL) dinance can complete Sections A, B, C (or E), and G ems G8–G10. In Puerto Rico only, enter meters. I by a licensed surveyor, engineer, or architect who data in the Comments area below.) or community-issued BFE) or Zone AO. ses. ate Of Compliance/Occupancy Issued meters Datum |



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

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



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ESR-2074

Reissued February 2017 Revised November 2017 This report is subject to renewal February 2019.

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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: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2015, 2012, 2009 and 2006 *International Building Code*[®] (IBC)
- 2015, 2012, 2009 and 2006 International Residential Code[®] (IRC)
- 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,

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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.

4.0 DESIGN AND 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. 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

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installed with a minimum of one FV for every 400 square feet (37.2 m^2) 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.

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

Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015.

7.0 IDENTIFICATION

The Smart VENT[®] models 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).

| 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 |

TABLE 1-MODEL SIZES

For SI: 1 inch = 25.4 mm; 1 square foot = m^2

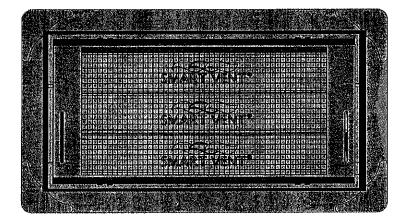


FIGURE 1-SMART VENT: MODEL 1540-510

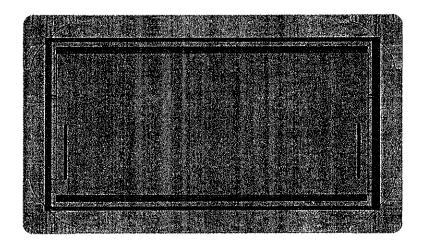


FIGURE 2-SMART VENT MODEL 1540-520

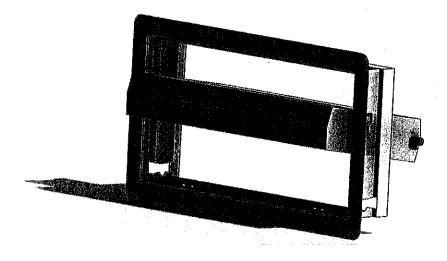


FIGURE 3-SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN