

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 Anthony J. Auletta, Jr. and Alicia M. Auletta	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 420 Harbor Drive North	Company NAIC Number:
City Indian Rocks Beach	State Florida
	ZIP Code 33785

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
 Lot 2 and part of Lot 1 - Twenty Second Add to Re- Revised Map of Indian Beach-PB 37, PG 59-Parcel #06-30-15-42426-000-0020

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential

A5. Latitude/Longitude: Lat 27.90891°N Long -82.84064°W 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 8

A8. For a building with a crawlspace or enclosure(s):
 a) Square footage of crawlspace or enclosure(s) 3,750 sq ft

b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 19

c) Total net area of flood openings in A8.b 3,800 sq in

d) Engineered flood openings? Yes No

A9. For a building with an attached garage:
 a) Square footage of attached garage 729 sq ft

b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 4

c) Total net area of flood openings in A9.b 800 sq in

d) Engineered flood openings? Yes No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number Indian Rocks Beach - 125117	B2. County Name Pinellas	B3. State Florida
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B4. Map/Panel Number 12103C0112	B5. Suffix G	B6. FIRM Index Date 08/18/2009	B7. FIRM Panel Effective/Revised Date 09/03/2003	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 12.0'
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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)? Yes No
 Designation Date: CBRS OPA

ELEVATION CERTIFICATE

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

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. 420 Harbor Drive North	State Florida	ZIP Code 33785	FOR INSURANCE COMPANY USE Policy Number:
City Indian Rocks Beach			Company NAIC Number

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* 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, ARA, AR/AE, ARA1-A30, ARAH, ARAO. Complete items C2 a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: County Map #172 (Hall C)

Vertical Datum: NAVD - 1988

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) | 5.40 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| b) Top of the next higher floor | 12.47 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only) | N/A | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| d) Attached garage (top of slab) | 5.67 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) | 12.42 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | 5.0 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | 5.24 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support | 5.72 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |

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? Yes No Check here if attachments.

Certifier's Name
John O. Brenda License Number
4601

Title
Surveyor

Company Name
John C. Brenda & Associates, Inc. Place Seal Here

Address
4015 82nd Avenue North

City
Pinellas Park State
Florida ZIP Code
33781

Signature
John O. Brenda Date
07/24/2019 Telephone
(727) 576-7546

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)

C2) a. Crawl Space C2) b. The Lowest Living Floor C2) e. The Water Heater located on the South side of the house

NOTE: There are 19 Smart Vents in the Crawl space and 4 in the Garage area Model #1540-510 -The Photos are the attachments

Benchmark: Pinellas County Map #172 (HALL C) Elev. 4.824' NGVD adjusted to Elev. 4.08' NAVD - MSL = 0.00

ELEVATION CERTIFICATE

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

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.
420 Harbor Drive North

FOR INSURANCE COMPANY USE
Policy Number:

City Indian Rocks Beach State Florida ZIP Code 33785

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.

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):

- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.

E2. For Building Diagrams 8-9 with permanent flood openings provided in Section A items 8 and/or 9 (see pages 1-2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.

E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters 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 accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must 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 _____ State _____ ZIP Code _____

Signature _____ Date _____ Telephone _____

Comments _____

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.

Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P. O. Route and Box No.
420 Harbor Drive North

FOR INSURANCE COMPANY USE
Policy Number:

City: Indian Rocks Beach
State: Florida
ZIP Code: 33785

Company NAIC Number

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in items G8-G10. In Puerto Rico only, enter meters.

- 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
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- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) 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: _____ feet meters Datum _____

Local Official's Name _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

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

Check here if attachments.

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1680-0008
Expiration Date: November 30, 2018

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. 420 Harbor Drive North		Policy Number:
City Indian Rocks Beach	State Florida	ZIP Code 33785
		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.



Photo Two Caption

ELEVATION CERTIFICATE

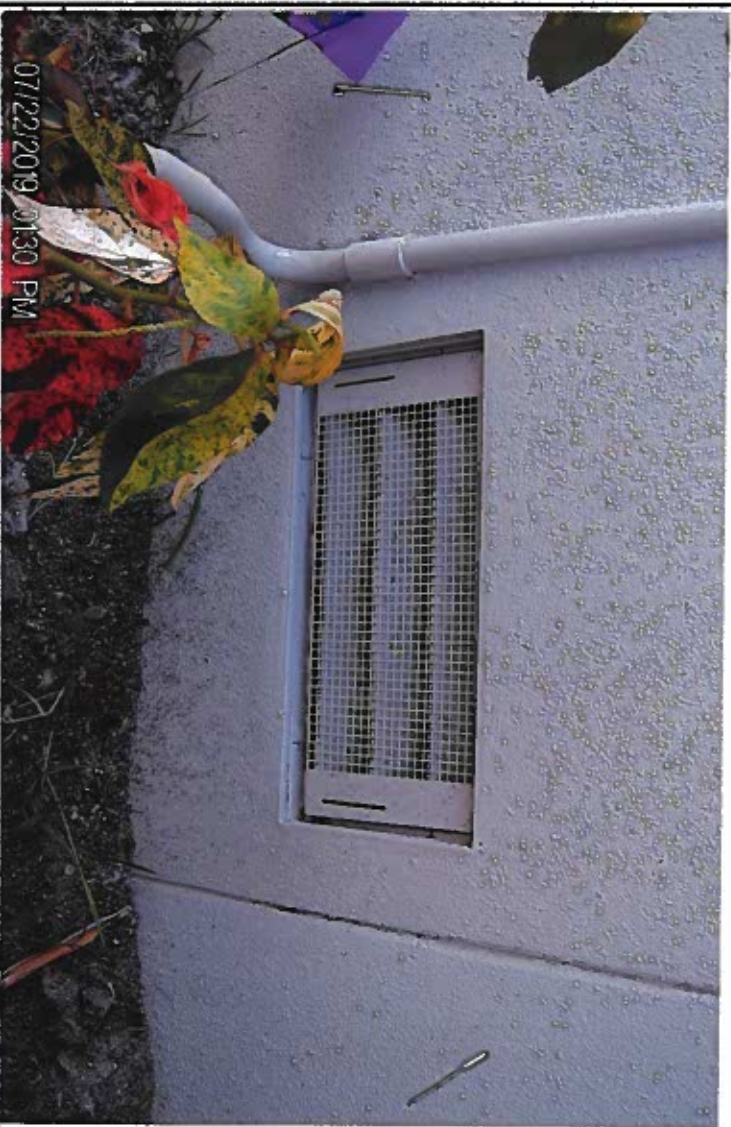
BUILDING PHOTOGRAPHS

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

Continuation Page

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. 420 Harbor Drive North		Policy Number:
City Indian Rocks Beach	State Florida	ZIP Code 33785
		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.



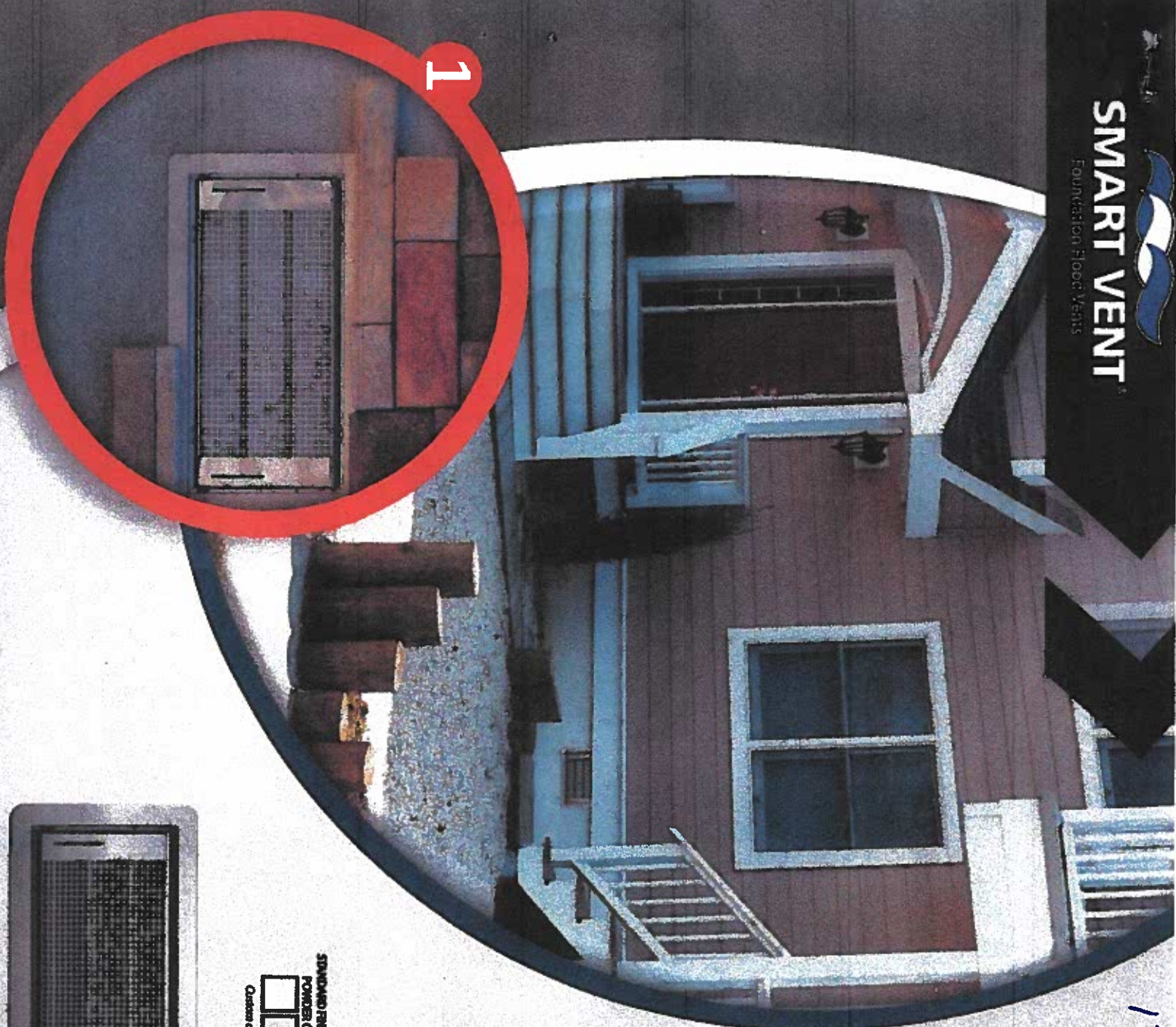
VENT

Photo Two

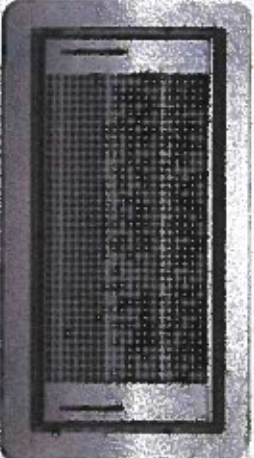
Photo Two

Photo Two Caption

17-1064



STANDARD FINISH POWDER COAT WHITE
POWDER COAT PAINT OPTIONS
Custom colors also available



MODEL NUMBER	FLOOD COVERAGE	AIR VENTILATION	VENT SIZE	ROUGH OPENING
1540-S10	200 sq. ft.	51 sq. in.	16" W x 8" H x 3" D	16 1/4 in x 8 1/4 in
1540-S11	400 sq. ft.	102 sq. in.	16" W x 16" H x 3" D	16 1/4 in x 16 3/8 in

 To view other sizing options see Multi-Frames

For more information on Flood Protection Solutions, contact:
Smart Vent 480 Andros Drive, Unit 1 • Pitman, NJ 08071
Website: www.smartvent.com Tel: (877) 441-8368 Email: info@smartvent.com

DUAL FUNCTION SERIES

This series of vents offers certified flood venting protection with superior automatic natural ventilation control. Ideal for crawlspace applications and other areas requiring flood venting protection as well as natural air ventilation.

VENTILATION

A bimetal coil automatically opens and closes the ventilation louvers as temperature changes from 35° F to 75° F.

No electricity is required.

In the event of a flood, the internal floats lift to release the flood door to rotate open and relieve the hydrostatic pressure regardless of the louvers' position, open or closed.

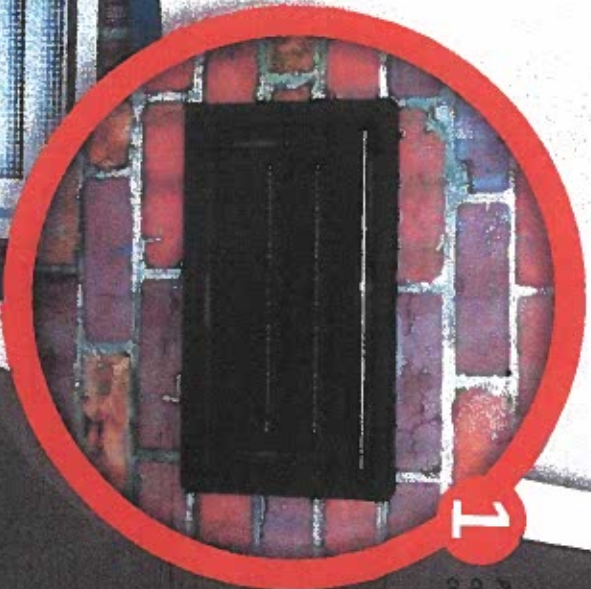


1
Pictured in custom powder coat black

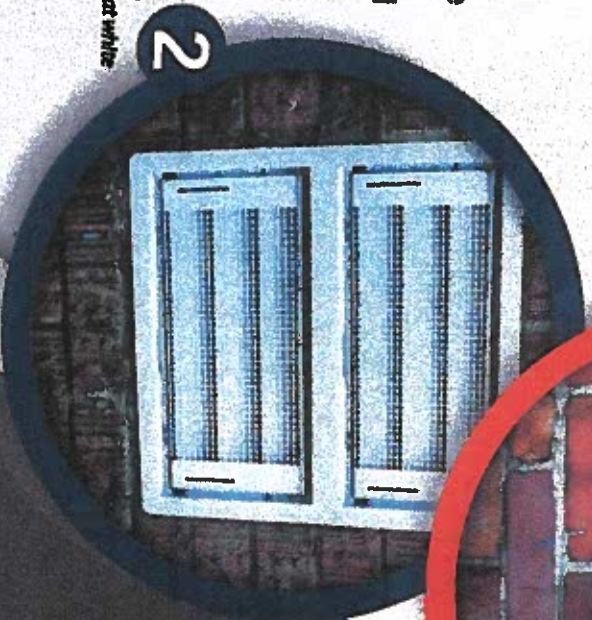
1 Smart Vent 1540-510

2 Stacker 1540-511

Stacker Models are twice as efficient as a single unit and are a great solution for large amounts of square footage, and in situations where there is not enough wall space to fit in the necessary or required single units.



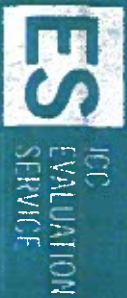
2
Pictured in powder coat white



For more information on Flood Protection Solutions, contact:

Smart Vent 430 Andros Drive, Unit 1 • Pitman, NJ 08071
Website: www.smartvent.com Tel: (877) 441-8888

Email: info@smartvent.com



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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"

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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—Vent/Foundation Flood Vents

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODEL #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)¹

¹The ADIBC is based on the 2009 IBC, 2009 IRC 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 m/m) 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 1/2-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 (AC3084), 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 ANDRO 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 [®] 3	1540-520	15 3/4" X 7 1/2"	200
SmartVENT [®] 2	1540-510	15 3/4" X 7 1/2"	200
FloodVENT [®] Overhead Door	1540-524	15 3/4" X 7 1/2"	200
SmartVENT [®] Overhead Door	1540-514	15 3/4" X 7 1/2"	200
Wood Wall FloodVENT [®] 9	1540-570	14" X 8 3/4"	200
Wood Wall FloodVENT [®] Overhead Door	1540-574	14" X 8 3/4"	200
SmartVENT [®] Stacker	1540-511	16" X 16"	400
FloodVent [®] Stacker	1540-521	16" X 16"	400

For SI: 1 inch = 25.4 mm, 1 square foot = m²

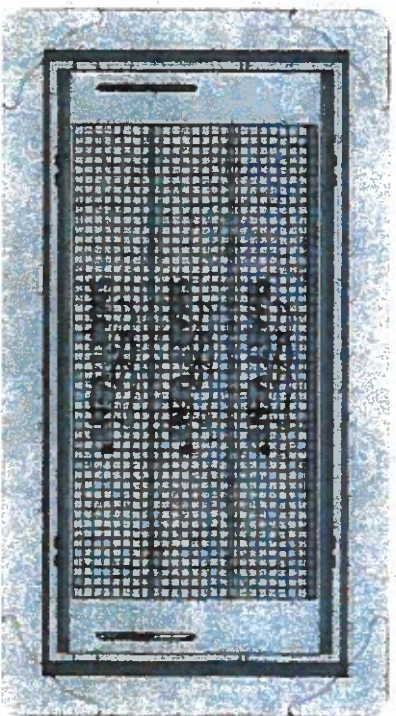


FIGURE 1—SMART VENT: MODEL 1540-510

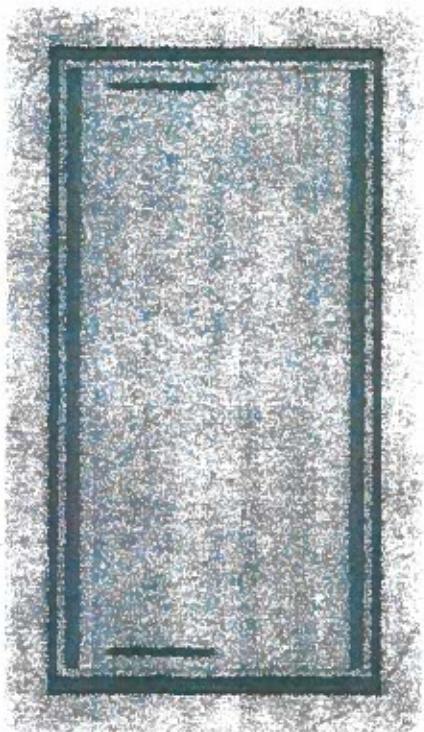


FIGURE 2—SMART VENT MODEL 1840-520

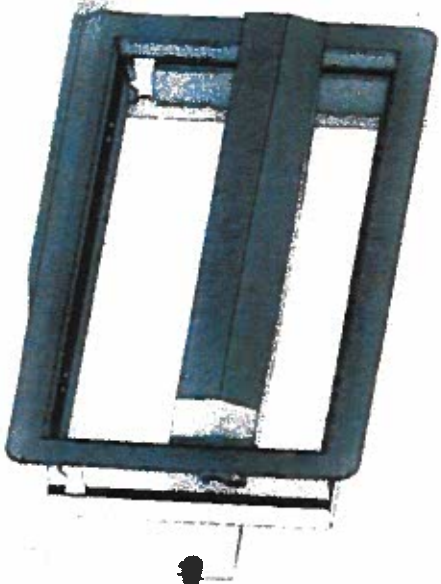


FIGURE 3—SMART VENT, SHOWN WITH FLOOD DOOR PIVOTED OPEN

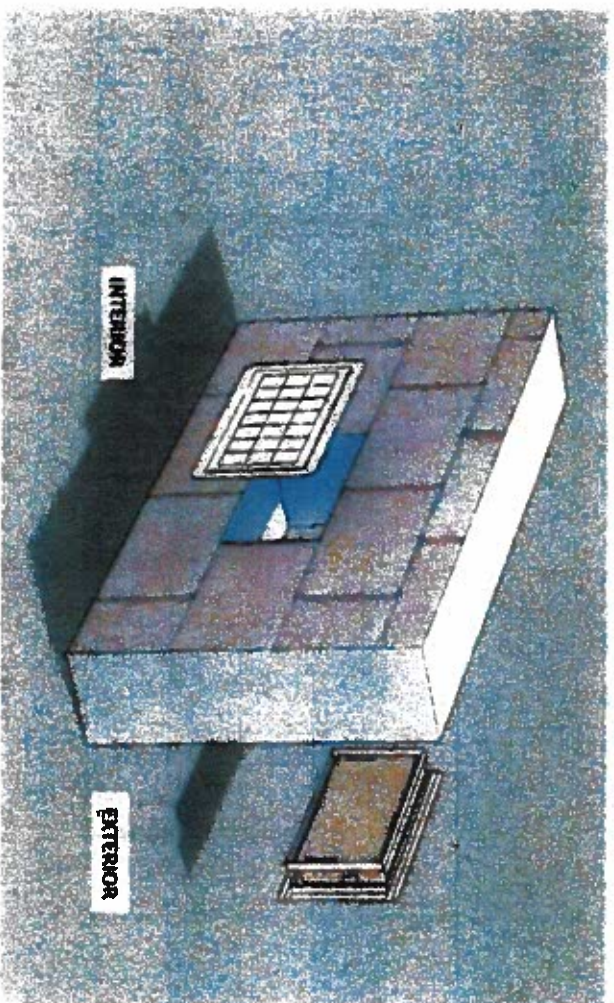


FIGURE 4—FLOOD VENT SEALING KIT



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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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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 7A 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.

2.2 CRC:

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.

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ESR Evaluation Service
Both Models Accepted and Trusted

ICC-ES Evaluation Report

ESR-2074 FBC Supplement

Reissued February 2019

This report is subject to renewal February 2021.

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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 6N-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.



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
 PATRICK L. SMITH & KRISTEN Y. SMITH

Policy Number:

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
 484 HARBOR DRIVE N. (JN17-169)

Company NAIC Number:

City
 INDIAN ROCKS BEACH

State
 Florida

ZIP Code
 33578

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
 PIN - 06-30-15-42570-000-0020

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL

A5. Latitude/Longitude: Lat. N27°54'32.41" Long. W82°50'13.93" 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 7

A8. For a building with a crawlspace or enclosure(s):

a) Square footage of crawlspace or enclosure(s) 1588.00 sq ft

b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 11

c) Total net area of flood openings in A8.b 2200.00 sq in

d) Engineered flood openings? Yes No

A9. For a building with an attached garage:

a) Square footage of attached garage 1114.00 sq ft

b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 6

c) Total net area of flood openings in A9.b 1200.00 sq in

d) Engineered flood openings? Yes No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number
 INDIAN ROCKS BEACH 125117

B2. County Name
 PINELLAS

B3. State
 Florida

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth)
12103C0112	G	08-18-2009	09-03-2003	AE	10,11,12

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)? Yes No
 Designation Date: N/A CBRS OPA

ELEVATION CERTIFICATE

OMB No. 1680-0008
Expiration Date: November 30, 2018

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. 484 HARBOR DRIVE N. (JN17-169)		Policy Number:
City INDIAN ROCKS BEACH	State Florida	Company NAIC Number
	ZIP Code 33578	

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

- C1. Building elevations are based on: Construction Drawings* Building Under Construction* 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: HALL C
 Vertical Datum: NAVD 1988

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) | 6.43 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor | 16.48 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only) | N/A | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| d) Attached garage (top of slab) | 6.43 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| e) Lowest elevation of machinery or equipment servicing the building
(Describe type of equipment and location in Comments) | 13.43 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | 5.50 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | 6.10 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support | 6.10 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |

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? Yes No Check here if attachments.

Certifier's Name
ALVIE F. GRIFFITH License Number
6005

Title
SURVEYOR AND MAPPER

Company Name
ROBERTSON & ASSOCIATES SURVEYING, INC LICENSED BUSINESS NO. 8100

Address
123 FLAGSHIP DRIVE

City
LUTZ State
Florida ZIP Code
33549

Signature
Alvie F. Griffith Date
07-08-2019 Telephone
(813) 388-2484 Ext.



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

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

- A5-Handheld GPS checked with Google Earth.
 - A8a and A8a-Crawlspace enclosure will be used as garage and storage area.
 - A8d and A9d - SmartVents Model 1540-510, each having a design coverage area of 200 square feet.
 - C2- National Geodetic Survey benchmark HALL C, having a reported elevation of 4.08 feet (NAVD 1988).
 - C2e-Air conditioner right side of building. There are also tankless water heaters on the left side of the building. A/C is lowest elevation.
 - N/A= Not applicable.
- Not valid without the signature and original raised seal of a Florida licensed surveyor and mapper.

ELEVATION CERTIFICATE

OMB No. 1680-0008
Expiration Date: November 30, 2018

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.
484 HARBOR DRIVE N. (JN17-169)

Policy Number:

City State ZIP Code
INDIAN ROCKS BEACH Florida 33578

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.

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).

- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.

E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A items 8 and/or 9 (see pages 1-2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.

E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters 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 accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must 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 State ZIP Code

Signature Date Telephone

Comments

Check here if attachments.

ELEVATION CERTIFICATE

OMB No. 1680-0006
Expiration Date: November 30, 2018

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.

484 HARBOR DRIVE N.

(JN17-169)

FOR INSURANCE COMPANY USE
Policy Number:

City
INDIAN ROCKS BEACH

State
Florida

ZIP Code
33578

Company NAIC Number

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in items G8-G10. In Puerto Rico only, enter meters.

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) 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: _____ feet meters Datum _____

Local Official's Name _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

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

Check here if attachments.

ELEVATION CERTIFICATE **BUILDING PHOTOGRAPHS** **OMB No. 1680-0008**
 See Instructions for Item A6. **Expiration Date: November 30, 2018**

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. 484 HARBOR DRIVE N. (JN17-169)	FOR INSURANCE COMPANY USE Policy Number:
City INDIAN ROCKS BEACH	Company NAIC Number
State Florida	ZIP Code 33578

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 A6. If submitting more photographs than will fit on this page, use the Continuation Page.



Photo One
 FRONT (STREET) VIEW
 08-27-2019
 Clear Photo One



Photo Two
 REAR VIEW
 08-27-2019
 Clear Photo Two

ELEVATION CERTIFICATE **BUILDING PHOTOGRAPHS**

Continuation Page

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

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.
484 HARBOR DRIVE N (JN17-169)

Policy Number:

City INDIAN ROCKS BEACH State Florida ZIP Code 33578

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

Photo Three Caption RIGHT SIDE VIEW 06-27-2019

Clear Photo Three

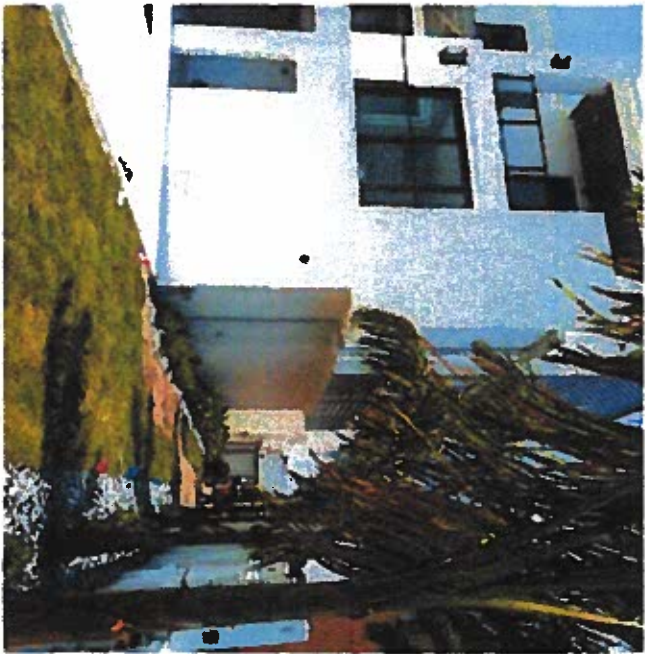


Photo Four

Photo Four Caption LEFT SIDE VIEW 08-27-2019

Clear Photo Four



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ESR-2074

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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



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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—Vent/Foundation Flood Vents

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODEL S #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)¹
- ¹The 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 m/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 1/2-inch-by-1/4-inch (6.35 by 6.35 mm) openings, yielding 51 square inches (32 803 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 (AC3084), 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 ANDERRO 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 1/2" X 7 1/2"	200
SmartVent [®]	1540-510	15 3/4" X 7 1/2"	200
FloodVent [®] Overhead Door	1540-524	15 1/2" X 7 1/2"	200
SmartVent [®] Overhead Door	1540-514	15 3/4" X 7 1/2"	200
Wood Wall FloodVent [®]	1540-570	14" X 8 1/2"	200
Wood Wall FloodVent [®] Overhead Door	1540-574	14" X 8 1/2"	200
SmartVent [®] Stacker	1540-511	16" X 16"	400
FloodVent [®] Stacker	1540-521	16" X 16"	400

For SI: 1 inch = 25.4 mm, 1 square foot = m²

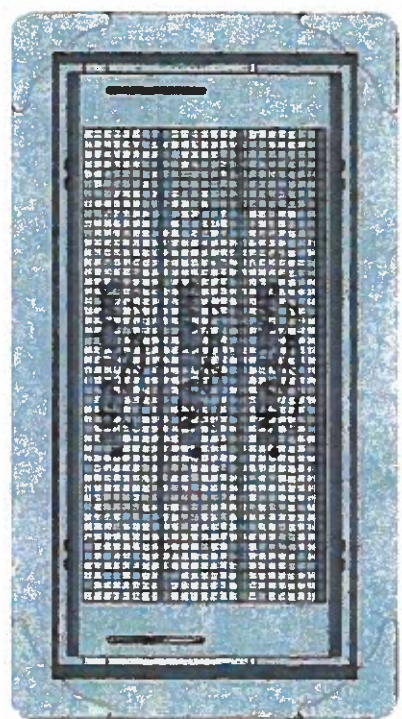


FIGURE 1—SMART VENT: MODEL 1540-510

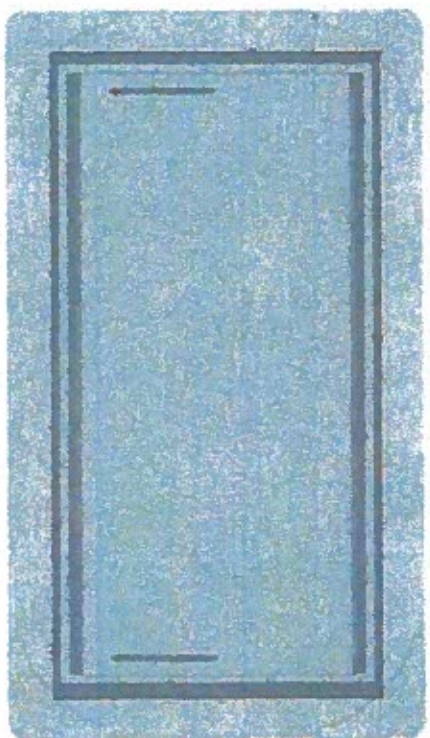


FIGURE 2—SMART VENT MODEL 1540-520



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

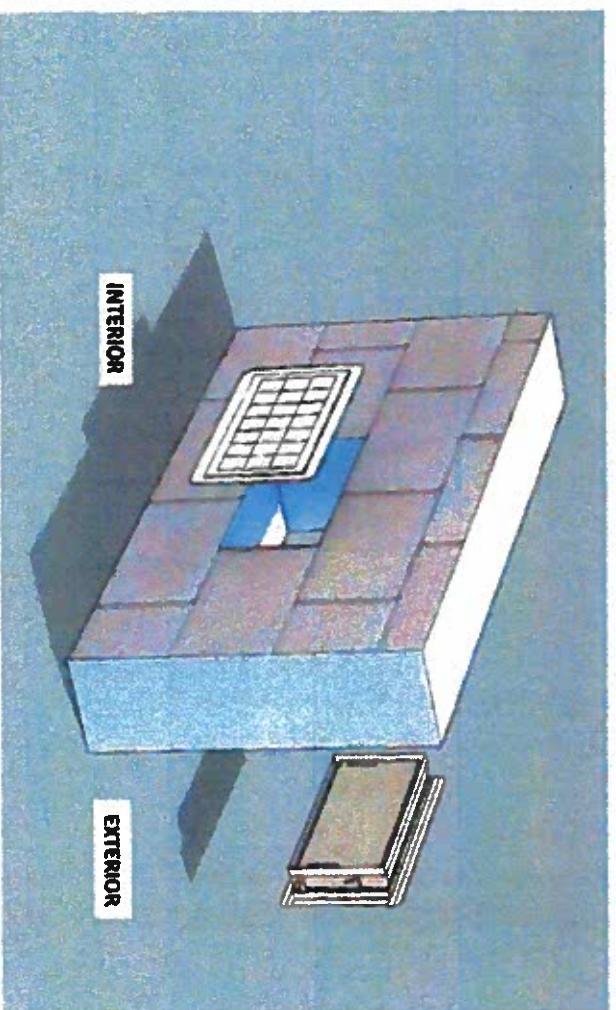


FIGURE 4—FLOOD VENT SEALING KIT



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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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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: MODEL S #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-624; #1540-514
FLOOD VENT SEALING KIT #1540-528

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 7A 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.

2.2 CRC:

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 Reports are not to be construed as representing activities of an entity, officials and specialists who addressed and are to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC-ES, express or implied, as to the findings or other matter in this report or as to any product covered by the report.





Most Widely Accepted and Trusted

ICC-ES Evaluation Report

ESR-2074 FBC Supplement

Reissued February 2019

This report is subject to renewal February 2021.

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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.

ICC-ES Evaluation Reports are not to be construed as representing or vouching for any other party's work. ICC-ES is not responsible for any errors or omissions in this report. ICC-ES is not responsible for any errors or omissions in this report. ICC-ES is not responsible for any errors or omissions in this report. ICC-ES is not responsible for any errors or omissions in this report.



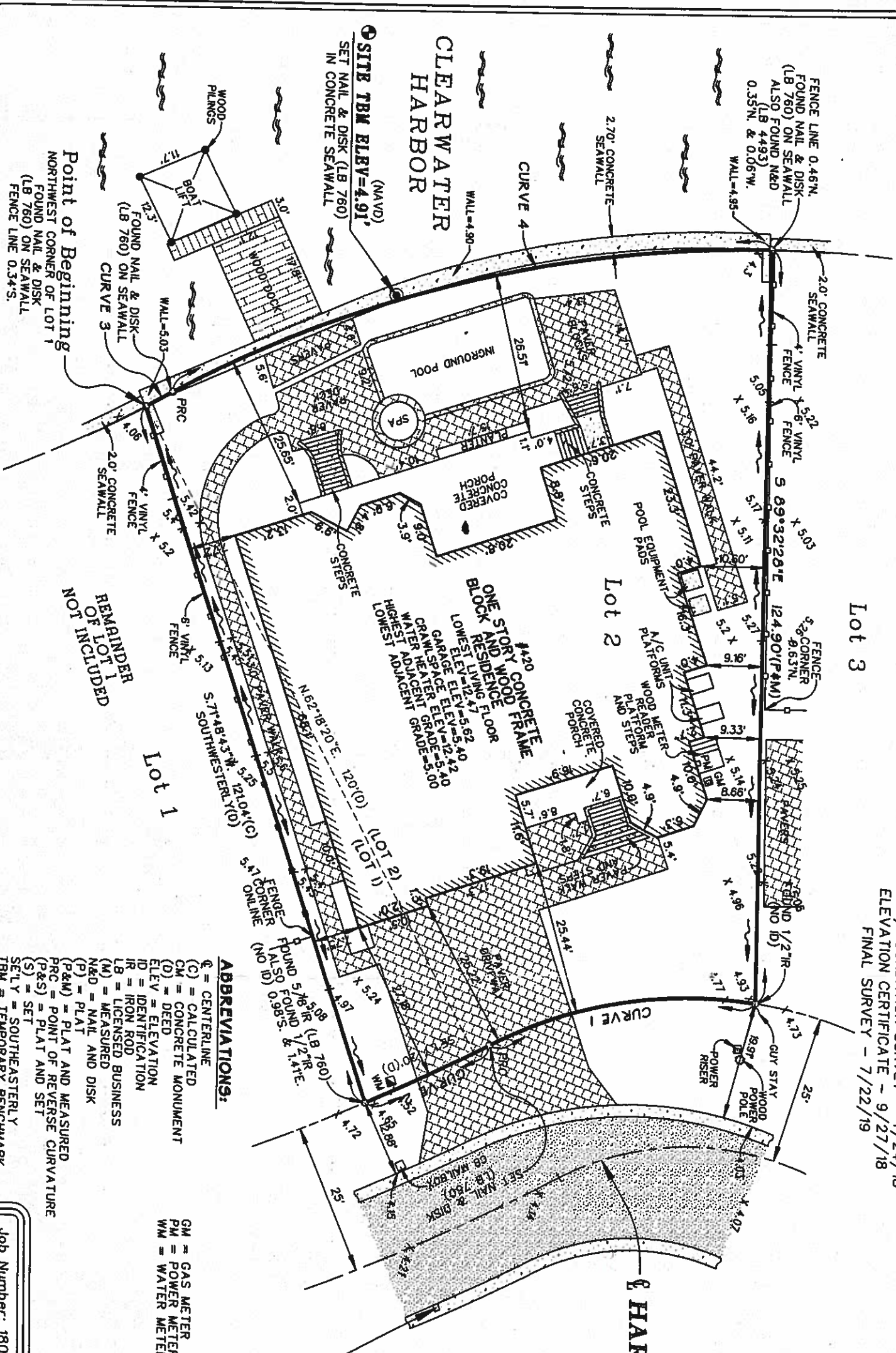
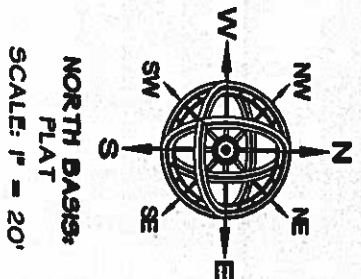
CERTIFIED TO:
 ANTHONY J. AULETTA, JR
 ALICIA M. AULETTA

SECTION 6, TOWNSHIP 30 SOUTH, RANGE 15 EAST

SURVEYOR'S NOTE:
 IT IS MY OPINION THAT THIS
 SITE WILL DRAIN SATISFACTORILY
 DRAINAGE CONFORMS TO CITY
 STANDARDS TYPE "B" DRAINAGE DETAIL

LEGAL DESCRIPTION: (OFFICIAL RECORDS BOOK 6720, PAGE 0221)
 LOT 2 TOGETHER WITH A TRIANGULAR PORTION OF LOT 1, OF TWENTY SECOND ADDITION TO RE-REVISED MAP OF INDIAN BEACH, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 37, PAGE 59, PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA; SAID TRIANGULAR PORTION BEING DESCRIBED AS FOLLOWS: BEGIN AT THE NORTHWEST CORNER OF SAID LOT 1, AND RUN THENCE N.62°18'20" EAST ALONG THE COMMON BOUNDARY LINE OF SAID LOTS 1 AND 2, A DISTANCE OF 120 FEET TO A POINT ON THE WESTERLY BOUNDARY OF HARBOR DRIVE; THENCE SOUTHEASTERLY ALONG THE EASTERLY BOUNDARY OF SAID LOT 1, A DISTANCE OF 20 FEET; THENCE SOUTHWESTERLY IN A DIRECT LINE TO THE POINT OF BEGINNING.

BOUNDARY SURVEY WITH SPOT ELEVATIONS - 3/14/18
 STAKED PROPOSED PILING - 3/19/18
 STAKED BUILDING ENVELOPE - 4/02/18
 TIE-IN/FOUNDATION SURVEY - 4/24/18
 ELEVATION CERTIFICATE - 9/27/18
 FINAL SURVEY - 7/22/19



CURVE 1
 RADIUS=71.00'(P&S)
 ARC=45.46'(P), 45.47'(S)
 CHORD=44.68'(P), 44.69'(S)
 CHORD BEARING=S 09°51'57"E(P)
 S 10°04'06"E(S)

CURVE 3
 RADIUS=200.00'(P&M)
 ARC=4.98'(P&M)
 CHORD=4.98'(P&M)
 CHORD BEARING=N 28°24'30"W(P)
 N 29°22'24"W(M)

CURVE 2
 RADIUS=320.00'(P&S)
 ARC=22.87'(D), 22.86'(S)
 CHORD=22.87'(D), 22.86'(S)
 CHORD BEARING=S 26°09'39"E(D)
 S 26°21'48"E(S)

CURVE 4
 RADIUS=200.00'(P&M)
 ARC=103.26'(P&M)
 CHORD=102.11'(P), 102.12'(M)
 CHORD BEARING=N 14°19'54"W(P)
 N 14°24'46"W(M)

HARBOR DRIVE NORTH
 20' ASPHALT / TYPE 'B' CURB
 50' RIGHT-OF-WAY

Flood Zone Data:
 FLOOD ZONE AE(1)
 COMMUNITY PANEL #125117 121030012 G
 REVISED 9/3/03
 Basis of Bearings:
 NORTH LINE OF LOT 2 AS BEING
 S.89°32'28"E., PER PLAT.

Benchmark:
 PINELLAS COUNTY MAP #172 (HALL C)
 ELEV=4.824' NGVD, ADJUSTED TO
 ELEV=4.08' NAVD, MSL=0.00'

This survey was prepared without the benefit of a title search and is subject to all easements, rights-of-way, and other matters of record. Survey not valid without the signature and the original raised seal of a Florida Licensed Surveyor and Mapper.

This survey is made for the exclusive use of the current owners of the property and also those who purchase, mortgage or guarantee the title thereto within one (1) year from latest date shown hereon.

SITE TBM ELEV=4.13'
 (NAVD)
 BOX CUT ON CURB

1802-91.CRD
 FIELD BOOK 946 PAGE(S) 51&52

ABBREVIATIONS:
 C = CENTERLINE
 (C) = CALCULATED
 (M) = CONCRETE MONUMENT
 (D) = DEED
 ELEV = ELEVATION
 ID = IDENTIFICATION
 IR = IRON ROD
 LB = LICENSED BUSINESS
 M&D = MEASURED
 (P) = PLAT
 (P&M) = PLAT AND MEASURED
 PRC = POINT OF REVERSE CURVATURE
 (P&S) = PLAT AND SET
 (S) = SET
 S.E.L.Y. = SOUTHEASTERLY
 TBM = TEMPORARY BENCHMARK

GM = GAS METER
 PM = POWER METER
 WM = WATER METER

Prepared by:
JOHN C. BRENDLA AND ASSOCIATES, INC.
 PROFESSIONAL LAND SURVEYORS AND MAPPERS
 4015 82nd Avenue North
 Pinellas Park, Florida 33781
 phone (727) 576-7546 ~ fax (727) 577-9932

I hereby certify that the survey represented hereon meets the requirements of Chapter 5J-17, Florida Administrative Code.

John C. Brendla
JOHN C. BRENDLA
 Florida Surveyor's Registration No. 4601
 Certificate of Authorization No. 760

Job Number: 1802-91
 Drawn: DS