

**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 BELLEAIR FL, LLC				Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2246 DONATO DRIVE				Company NAIC Number:	
City BELLEAIR BEACH		State FLORIDA		ZIP Code 33786	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT 72, BELLEVUE ESTATES ISLAND 2ND ADDITION - PARCEL # 30-29-15-07776-00-0720					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>RESIDENTIAL</u>					
A5. Latitude/Longitude: Lat. <u>27.9294°</u> Long. <u>-82.8357°</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> 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):					
a) Square footage of crawlspace or enclosure(s) <u>2,797</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>18</u>					
c) Total net area of flood openings in A8.b *SEE NOTES sq in					
d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
A9. For a building with an attached garage:					
a) Square footage of attached garage <u>N/A</u> sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>N/A</u>					
c) Total net area of flood openings in A9.b <u>N/A</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number CITY OF BELLEAIR BEACH - 125089			B2. County Name PINELLAS COUNTY		B3. State FLORIDA
B4. Map/Panel Number  12103C0112	B5. Suffix  H	B6. FIRM Index Date  8-24-2021	B7. FIRM Panel Effective/ Revised Date  8-24-2021	B8. Flood Zone(s)  AE	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth)  9.0'
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: <u>N/A</u> <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

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

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2246 DONATO DRIVE			Policy Number:
City BELLEAIR BEACH	State FLORIDA	ZIP Code 33786	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, 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: MAC DILL AFB 6 CORS ARPVertical Datum: N.A.V.D. 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)	<u>7.21</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
b) Top of the next higher floor	<u>18.18</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u>	<input type="checkbox"/> feet	<input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>N/A</u>	<input 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)	<u>16.61</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>5.9</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>6.8</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>6.1</u>	<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  
GEORGE A. SHIMP IILicense Number  
2512Title  
PRESIDENTJob Number  
190104-E R3Company Name  
GEORGE A. SHIMP II & ASSOCIATES, INC.Address  
3301 DeSOTO BOULEVARD, SUITE DCity  
PALM HARBORState  
FLORIDAZIP Code  
34683Place  
Seal  
Here

# 2512 Date: 6-29-2022

(Not valid unless embossed with surveyor's original raised seal)

Signature  
Date  
6-29-2022Telephone  
727-784-5496

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)

SEE ATTACHMENT PAGES 1 AND 2 FOR SURVEYOR'S NOTES AND COMMENTS. THIS DOCUMENT IS NOT VALID UNLESS SIGNED AND EMBOSSED WITH THE SURVEYOR'S ORIGINAL RAISED SEAL AND MUST CONTAIN ALL FORM PAGES AND ATTACHMENTS.

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

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2246 DONATO DRIVE			Policy Number:	
City BELLEAIR BEACH	State FLORIDA	ZIP Code 33786	Company NAIC Number	
<b>SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)</b>				
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 _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG. b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> 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 _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.				
E3. Attached garage (top of slab) is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.				
E4. Top of platform of machinery and/or equipment servicing the building is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown. The local official must certify this information in Section G.				
<b>SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION</b>				
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				
<input type="checkbox"/> Check here if attachments.				

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

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2246 DONATO DRIVE			Policy Number:	
City BELLEAIR BEACH	State FLORIDA	ZIP Code 33786	Company NAIC Number	
<b>SECTION G – COMMUNITY INFORMATION (OPTIONAL)</b>				
<p>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.</p> <p>G1. <input type="checkbox"/> 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.)</p> <p>G2. <input type="checkbox"/> A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.</p> <p>G3. <input type="checkbox"/> The following information (Items G4–G10) is provided for community floodplain management purposes.</p>				
G4. Permit Number		G5. Date Permit Issued		G6. Date Certificate of Compliance/Occupancy Issued
<p>G7. This permit has been issued for:      <input type="checkbox"/> New Construction    <input type="checkbox"/> Substantial Improvement</p> <p>G8. Elevation of as-built lowest floor (including basement) of the building: _____ <input type="checkbox"/> feet <input type="checkbox"/> meters    Datum _____</p> <p>G9. BFE or (in Zone AO) depth of flooding at the building site: _____ <input type="checkbox"/> feet <input type="checkbox"/> meters    Datum _____</p> <p>G10. Community's design flood elevation: _____ <input type="checkbox"/> feet <input type="checkbox"/> meters    Datum _____</p>				
Local Official's Name			Title	
Community Name			Telephone	
Signature			Date	
Comments (including type of equipment and location, per C2(e), if applicable)				
<input type="checkbox"/> Check here if attachments.				



# BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008

Expiration Date: November 30, 2022

## ELEVATION CERTIFICATE

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

**FOR INSURANCE COMPANY USE**

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.

Policy Number:

2246 DONATO DRIVE

City

State

ZIP Code

Company NAIC Number

BELLEAIR BEACH

FLORIDA

33786

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



Photo One

Photo One Caption FRONT VIEW 1

6-29-2022



Photo Two

Photo Two Caption FRONT VIEW 2

6-29-2022

# ELEVATION CERTIFICATE

## BUILDING PHOTOGRAPHS

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2022

**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.  
2246 DONATO DRIVE

Policy Number:

City  
BELLEAIR BEACH

State  
FLORIDA

ZIP Code  
33786

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 One

Photo Three Caption REAR VIEW 1

6-29-2022



Photo Two

Photo Four Caption REAR VIEW 2

6-29-2022



# Surveyor's Notes

Attachment Page 1

OMB No. 1660-0008

Expiration Date: November 30, 2022

## ELEVATION CERTIFICATE

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2246 DONATO DRIVE			Policy Number:
City BELLEAIR BEACH	State FLORIDA	ZIP Code 33786	Company NAIC Number

### SECTION D – SURVEYOR'S CERTIFICATION (CONTINUED FROM PAGE 2)

A1.) THIS ELEVATION CERTIFICATE, UNDER CONTRACT, WAS EXCLUSIVELY PREPARED FOR AND CERTIFIED TO THE PARTY SPECIFIED IN SECTION A, ITEM 1, FOR THE SPECIFIC PURPOSE OF OBTAINING FLOOD INSURANCE AND/OR VERIFYING FLOOD ZONE COMPLIANCE WITH THE LOCAL GOVERNING AUTHORITY. USE OF THIS DOCUMENT BY ANY OTHER PARTY OR FOR ANY OTHER PURPOSES SHALL BE AT THAT PARTY'S SOLE RISK AND GEORGE A. SHIMP II & ASSOCIATES, INC. ASSUMES NO LIABILITY AND DOES NOT PROVIDE ANY WARRANTY TO SAID PARTY.

GEORGE A. SHIMP II & ASSOCIATES, INC. ASSUMES NO LIABILITY AND DOES NOT PROVIDE ANY WARRANTY FOR UNAUTHORIZED COPIES, IN ANY FORM OR BY ANY MEANS, INCLUDING PHOTOCOPYING OR OTHER ELECTRONIC OR MECHANICAL METHODS, AND USE OF SAID COPIES SHALL BE AT THE USER'S SOLE RISK. REQUESTS FOR ANY ADDITIONAL OFFICIAL SIGNED AND SEALED COPIES MUST BE DIRECTED TO GEORGE A. SHIMP II & ASSOCIATES, INC.

A4.) THE BUILDING USE WAS DETERMINED BY PHYSICAL OBSERVATIONS MADE ON THE DATE OF SURVEY.

A5.) THE LATITUDE AND LONGITUDE COORDINATES WERE OBTAINED USING A HAND HELD G.P.S. UNIT WHICH MEETS OR EXCEEDS FEMA'S REQUIRED ACCURACY OF 66 FEET.

A7.) THE BUILDING DIAGRAM NUMBER WAS DETERMINED BY PHYSICAL OBSERVATIONS MADE ON THE DATE OF SURVEY. CERTAIN STRUCTURAL FEATURES NOT VISIBLE TO THE SURVEYOR (PILINGS, GRADE BEAMS, ETC.) OR USE OF ANY AREAS BELOW THE BASE FLOOD ELEVATION THAT DOES NOT COMPLY WITH FEMA REGULATIONS CAN AFFECT THIS DETERMINATION.

A8.) FOR THE PURPOSE OF THIS DOCUMENT, A BUILDING ENCLOSURE IS DEFINED AS THAT PORTION OF AN ELEVATED BUILDING, BELOW THE LOWEST ELEVATED FLOOR, THAT IS EITHER PARTIALLY OR FULLY SHUT IN BY RIGID WALLS. A GARAGE BELOW OR ATTACHED TO AN ELEVATED BUILDING IS CONSIDERED AN ENCLOSURE. SUCH AREAS SHALL NOT CONTAIN MORE THAN 20 LINEAR FEET OF FINISHED INTERIOR WALLS (PANELING, ETC.) OR IT WILL BE CONSIDERED A FINISHED (HABITABLE) AREA.

A8. & A9.) FOR THE PURPOSE OF THIS DOCUMENT, A FLOOD OPENING IS DEFINED AS A PERMANENT OPENING IN AN EXTERIOR WALL THAT IS NO HIGHER THAN 1.0 FOOT ABOVE THE HIGHER OF THE EXTERIOR OR INTERIOR GRADE OR FLOOR IMMEDIATELY BELOW THE OPENING.

IN REGARD TO ENGINEERED FLOOD OPENING(S), IF APPLICABLE, THE SURVEYOR DOES NOT KEEP COPIES OF EITHER THE INDIVIDUAL ENGINEERED FLOOD OPENINGS CERTIFICATION OR THE EVALUATION REPORT ISSUED BY THE INTERNATIONAL CODE COUNCIL EVALUATION SERVICE (ICC ES) ON FILE. CURRENT COPIES OF THESE DOCUMENTS SHOULD BE AVAILABLE FROM THE MANUFACTURER OF THE ENGINEERED FLOOD OPENING(S).

B8.) UNLESS OTHERWISE NOTED IN SECTION B, ITEM 10, THE FLOOD ZONE WAS DETERMINED BASED ON THE FLOOD INSURANCE RATE MAP. IN CERTAIN CASES WHERE AN ACCURATE DETERMINATION COULD NOT BE MADE FROM THE MAP, FEMA'S INTERACTIVE MAP OR THE COUNTY'S G.I.S. OVERLAY MAY HAVE BEEN UTILIZED TO DETERMINE THE FLOOD ZONE. NO SEARCH OF THE PUBLIC RECORDS WAS PERFORMED FOR LOMA'S, LOMR'S, ETC. WHICH MAY AFFECT THE SITE.

B9.) IF APPLICABLE, WHEN THE BASE FLOOD ELEVATION IS SHOWN AS A WHOLE NUMBER ON THE FIRM, IT HAS BEEN CONVERTED TO A DECIMAL AND ENTERED TO THE NEAREST TENTH OF A FOOT AS REQUIRED BY FEMA.

IF APPLICABLE, THE STRUCTURE CONTAINS: ☐ CRAWLSPACE ☒ ENCLOSURE ☐ ATTACHED GARAGE ☐ N/A

IF APPLICABLE, THE BOTTOM FLOOR ENCLOSURE CONTAINS: GARAGE, STORAGE SPACE, STAIRS

IF APPLICABLE, DOES THE BOTTOM FLOOR ENCLOSURE APPEAR TO CONTAIN BREAK-AWAY WALLS? ☐ YES ☒ NO ☐ N/A

IF APPLICABLE, THIS ELEVATION CERTIFICATE WAS PREPARED USING THE "HISTORIC" FLOOD MAP DATA AND DATUM (N.G.V.D. 1929) FOR POSSIBLE "GRANDFATHERING" PURPOSES: ☐ YES ☒ NO

# Surveyor's Notes

Attachment Page 2

OMB No. 1660-0008

Expiration Date: November 30, 2022

## ELEVATION CERTIFICATE

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2246 DONATO DRIVE			Policy Number:
City BELLEAIR BEACH	State FLORIDA	ZIP Code 33786	Company NAIC Number

### SECTION D – SURVEYOR'S CERTIFICATION (CONTINUED FROM PAGE 7)

IN REGARD TO ENGINEERED FLOOD OPENINGS, AS REFERENCED IN SECTIONS A8 AND A9 IF APPLICABLE, THE STRUCTURE'S:

☐ CRAWLSPACE CONTAINS N/A ENGINEERED FLOOD OPENING(S) CERTIFIED TO COVER N/A SQ. FEET PER OPENING (MANUFACTURER: N/A – MODEL: N/A) FOR A TOTAL OF N/A SQ. FEET OF COVERAGE AND N/A NON-ENGINEERED FLOOD OPENING(S) WITH A NET AREA OF N/A SQ. INCHES, PROVIDING COVERAGE FOR A TOTAL OF N/A SQ. FEET.

ENGINEERED FLOOD OPENING(S) ARE: ☐ INSTALLED ☐ UNDER CONSTRUCTION ☐ PER PLAN ☒ N/A

NOTES: N/A

☒ ENCLOSURE CONTAINS 18 ENGINEERED FLOOD OPENING(S) CERTIFIED TO COVER 200 SQ. FEET PER OPENING (MANUFACTURER: SMART VENT PRODUCTS, INC – MODEL: 1540-520) FOR A TOTAL OF 3,600 SQ. FEET OF COVERAGE AND 0 NON-ENGINEERED FLOOD OPENING(S) WITH A NET AREA OF 0 SQ. INCHES, PROVIDING COVERAGE FOR A TOTAL OF 3,600 SQ. FEET.

ENGINEERED FLOOD OPENING(S) ARE: ☒ INSTALLED ☐ UNDER CONSTRUCTION ☐ PER PLAN ☐ N/A

NOTES: ENGINEERED FLOOD OPENING(S) ARE 16" x 8" AND CONTAIN A TOTAL PHYSICAL NET AREA OF 2,304 SQ. INCHES

☐ ATTACHED GARAGE CONTAINS N/A ENGINEERED FLOOD OPENING(S) CERTIFIED TO COVER N/A SQ. FEET PER OPENING (MANUFACTURER: N/A – MODEL: N/A) FOR A TOTAL OF N/A SQ. FEET OF COVERAGE AND N/A NON-ENGINEERED FLOOD OPENING(S) WITH A NET AREA OF N/A SQ. INCHES, PROVIDING COVERAGE FOR A TOTAL OF N/A SQ. FEET.

ENGINEERED FLOOD OPENING(S) ARE: ☐ INSTALLED ☐ UNDER CONSTRUCTION ☐ PER PLAN ☒ N/A

NOTES: N/A

C2.e) AIR CONDITIONER ELEVATED ON A METAL FRAME AFFIXED TO THE SOUTHEAST SIDE OF THE STRUCTURE.

NOTE: B1-B9: THE PROPERTY WAS PERMITTED UNDER WHAT APPEARED TO BE IN ZONE AE (BASE FLOOD ELEVATION OF 11 FEET), IN ACCORDANCE WITH THE FIRM MAP OF THE CITY OF BELLEAIR BEACH, PINELLAS COUNTY, COMMUNITY NUMBER 125089 MAP NUMBER 12103C-0112-G). MAP DATED SEPTEMBER 3, 2003. THIS PANEL IS NO LONGER VALID FOR FLOOD INSURANCE PURPOSES A OF DESCRIBED MAP DATE SHOWN UNDER B7 ON ORM PAGE 1 OF 6.

NOTICE: THIS DOCUMENT SHALL NOT BE VALID OR BINDING AGAINST THE SIGNING SURVEYOR UNLESS IT IS SIGNED AND EMBOSSED WITH THE ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER.

\*SEE ICC-ES REPORT ATTACHED.





ICC  
EVALUATION  
SERVICE

*Most Widely Accepted and Trusted*

# ICC-ES Evaluation Report

ICC-ES | (800) 423-6587 | (562) 699-0543 | [www.icc-es.org](http://www.icc-es.org)

**ESR-2074**

Reissued 02/2021

Revised 04/2021

This report is subject to renewal 02/2023.

**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"*



*ICC-ES Evaluation Reports are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.*





**DIVISION: 08 00 00—OPENINGS**

**Section: 08 95 43—Vents/Foundation Flood Vents**

**REPORT HOLDER:**

**SMART VENT PRODUCTS, INC.**

**EVALUATION SUBJECT:**

**SMART VENT® AUTOMATIC FOUNDATION FLOOD  
VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-  
511; #1540-570; #1540-574; #1540-524; #1540-514  
FLOOD VENT SEALING KIT #1540-526**

## 1.0 EVALUATION SCOPE

**Compliance with the following codes:**

- 2021, 2018, 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
- 2021, 2018 *International Energy Conservation Code*® (IECC)
- 2013 *Abu Dhabi International Building Code* (ADIBC)†

†The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

**Properties evaluated:**

- Physical operation
- Water flow

## 2.0 USES

The Smart Vent® units are engineered mechanically operated flood vents (FVs) employed to equalize hydrostatic pressure on walls of enclosures subject to rising or falling flood waters. Certain models also allow natural ventilation.

## 3.0 DESCRIPTION

### 3.1 General:

When subjected to rising water, the Smart Vent® FVs internal floats are activated, then pivot open to allow flow in either direction to equalize water level and hydrostatic pressure from one side of the foundation to the other. The FV pivoting door is normally held in the closed position by a buoyant release device. When subjected to rising water, the buoyant release device causes the unit to unlatch, allowing the door to rotate out of the way and allow flow. The water level stabilizes, equalizing the lateral forces. Each unit is

fabricated from stainless steel. Smart Vent® Automatic Foundation Flood Vents are available in various models and sizes as described in Table 1. The SmartVENT® Stacking Model #1540-511 and FloodVENT® Stacking Model #1540-521 units each contain two vertically arranged openings per unit.

### 3.2 Engineered Opening:

The FVs comply with the design principle noted in Section 2.7.2.2 and Section 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)] for a maximum rate of rise and fall of 5.0 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24, Smart Vent FVs must be installed in accordance with Section 4.0.

### 3.3 Ventilation:

The SmartVENT® Model #1540-510 and SmartVENT® Overhead Door Model #1540-514 both have screen covers with 1/4-inch-by-1/4-inch (6.35 by 6.35 mm) openings, yielding 51 square inches (32 903 mm²) of net free area to supply natural ventilation. The SmartVENT® Stacking Model #1540-511 consists of two Model #1540-510 units in one assembly, and provides 102 square inches (65 806 mm²) of net free area to supply natural ventilation. Other FVs described 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 m<sup>2</sup>) 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 m<sup>2</sup>) of enclosed area.
- Below the base flood elevation.
- With the bottom of the FV located a maximum of 12 inches (305.4 mm) above the higher of the final grade or floor and finished exterior grade immediately under each opening.

#### 4.2 Flood Vent Sealing Kit

The Flood Vent Sealing Kit Model 1540-526 is used in conjunction with FloodVENT® Model #1540-520. When installed and tested in accordance with ASTM E283, the FV and Flood Vent Sealing Kit assembly have an air leakage rate of less than 0.2 cubic feet per minute per lineal foot (18.56 l/min per lineal meter) at a pressure differential of 1 pound per square foot (50 Pa) based on 12.58 lineal feet (3.8 lineal meters) contained by the Flood Vent Sealing Kit.

#### 5.0 CONDITIONS OF USE

The Smart Vent® FVs described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The Smart Vent® FVs must be installed in accordance with this report, the applicable code and the manufacturer's installation instructions. In the event of a conflict, the instructions in this report govern.

- 5.2 The Smart Vent® FVs must not be used in the place of "breakaway walls" in coastal high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.

#### 6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015 (editorially revised February 2021).
- 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 described in this report must be identified by a label bearing the manufacturer's name (Smartvent Products, Inc.), the model number, and the evaluation report number (ESR-2074).
- 7.2 The report holder's contact information is the following:

**SMART VENT PRODUCTS, INC.**  
**430 ANDBRO DRIVE, UNIT 1**  
**PITMAN, NEW JERSEY 08071**  
**(877) 441-8368**  
[www.smartvent.com](http://www.smartvent.com)  
[info@smartvent.com](mailto:info@smartvent.com)

TABLE 1—MODEL SIZES

MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)
FloodVENT®	1540-520	15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
SmartVENT®	1540-510	15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
FloodVENT® Overhead Door	1540-524	15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
SmartVENT® Overhead Door	1540-514	15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
Wood Wall FloodVENT®	1540-570	14" X 8 <sup>3</sup> / <sub>4</sub> "	200
Wood Wall FloodVENT® Overhead Door	1540-574	14" X 8 <sup>3</sup> / <sub>4</sub> "	200
SmartVENT® Stacker	1540-511	16" X 16"	400
FloodVent® Stacker	1540-521	16" X 16"	400

For SI: 1 inch = 25.4 mm; 1 square foot = m<sup>2</sup>

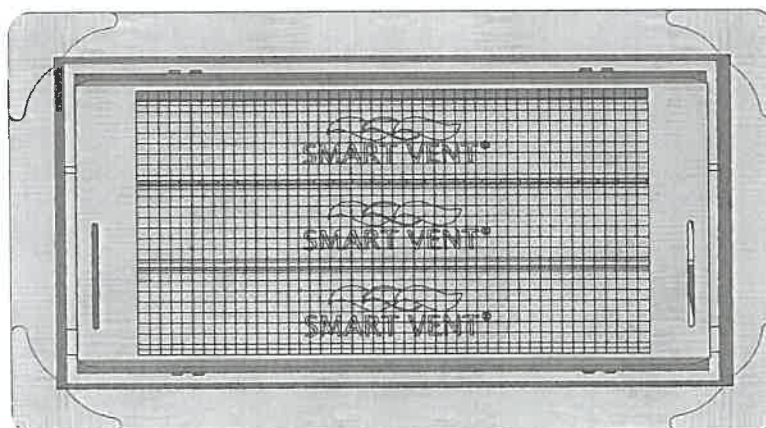


FIGURE 1—SMART VENT: MODEL 1540-510



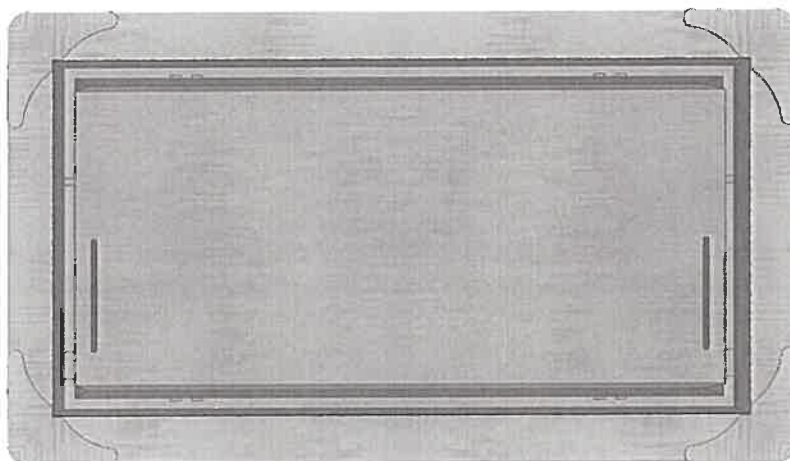


FIGURE 2—SMART VENT MODEL 1540-520

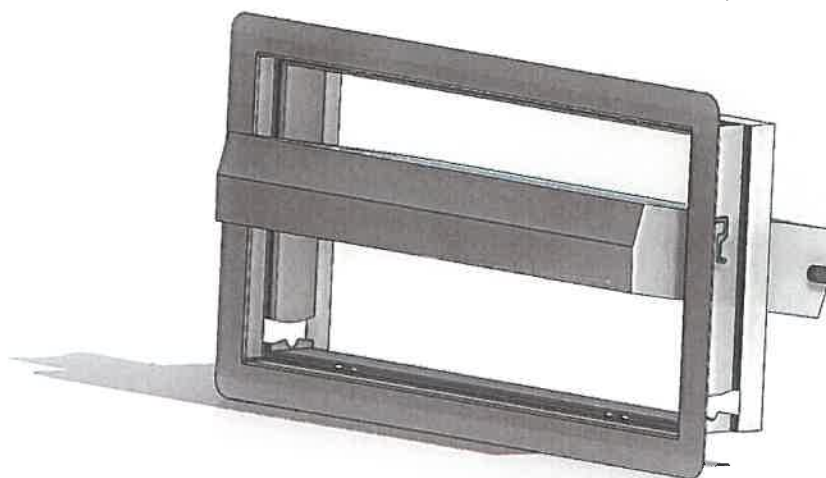


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN

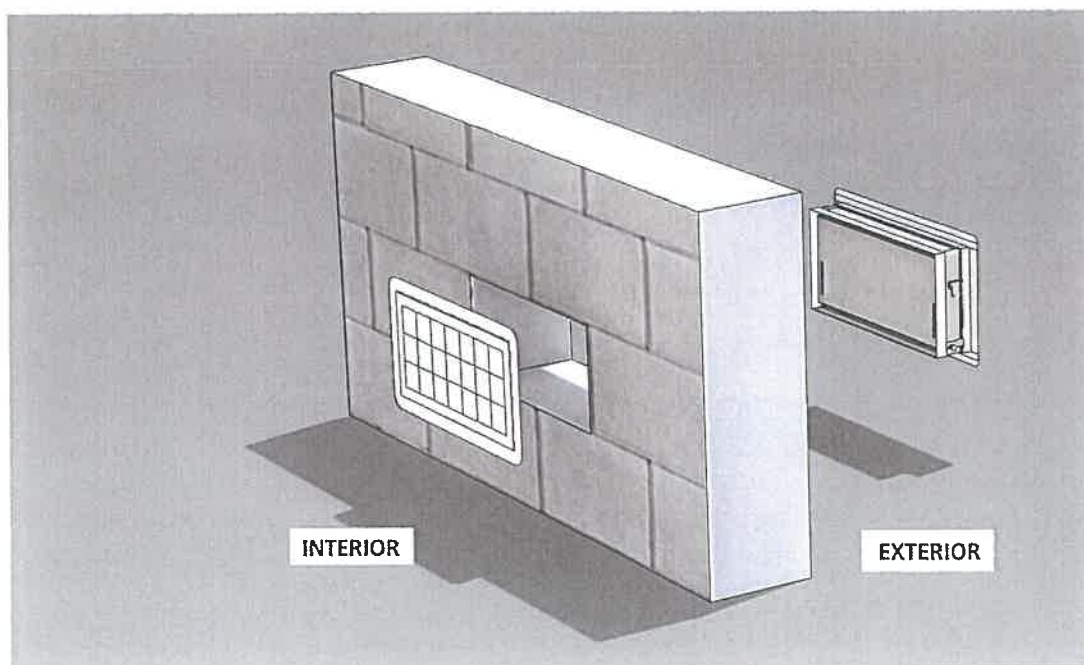


FIGURE 4—FLOOD VENT SEALING KIT





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, described in ICC-ES evaluation report ESR-2074, have also been evaluated for compliance with codes noted below.

## Applicable code editions:

- 2019 California Building Code (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) and Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2019 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 evaluation report ESR-2074, comply with 2019 CBC Chapter 12, provided the design and installation are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 12 and 16, as applicable.

## 2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

## 2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

## 2.2 CRC:

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-2074, comply with the 2019 CRC, provided the design and installation are in accordance with the 2018 *International Residential Code*® (IRC) provisions noted in the evaluation report.

This supplement expires concurrently with the evaluation report, reissued February 2021 and revised April 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

## 1.0 REPORT PURPOSE AND SCOPE

## Purpose:

The purpose of this evaluation report supplement is to indicate that Smart Vent® Automatic Foundation Flood Vents, described in ICC-ES evaluation report ESR-2074, have also been evaluated for compliance with the codes noted below.

## Applicable code editions:

- 2020 Florida Building Code—Building
- 2020 Florida Building Code—Residential

## 2.0 CONCLUSIONS

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-2074, comply with the *Florida Building Code—Building* and the *Florida Building Code—Residential*, provided the design requirements are determined in accordance with the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-2074 for 2018 *International Building Code*® meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable.

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 61G20-3, 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 evaluation report, reissued February 2021 and revised April 2021.

