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

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

ELEVATION CERTIFICATE Important: Follow the instructions on pages 1–9.

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

.,	050	TION A PROPERTY	LINEODI	MATION	,	L FOR INCLIF	ANCE COMPANY LICE	
SECTION A - PROPERTY INFORMATION						Policy Num	RANCE COMPANY USE	
A1. Building Owner's Name LORNA MORRIS						Policy Num	Del.	
AO D'III OL LA LL. Calabria Ant. Hall Order and Calbridge Dide Alexander								
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Company NAIC Number:							AIC Number:	
6429 MARVIN LANE								
City	City State ZIP Code							
SOUTHPORT Florida 32409								
	A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) TAX PARCEL NUMBER: 08514-000-000							
A4. Building Use (A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL							
A5. Latitude/Longi	tude: Lat. <u>3</u>	0°16'01.2"N	Long. 8	5°38'51.5"W	Horizontal	Datum: NAD 1	1927 ⊠ NAD 1983	
A6. Attach at least	2 photograp	hs of the building if the	e Certific	ate is being ι	used to obtain flood	d insurance.		
A7. Building Diagra	am Number	6						
A8. For a building	with a crawls	space or enclosure(s):						
_		ispace or enclosure(s)			240.00 sq ft			
b) Number of	permanent flo	ood openings in the cr	awlspace	e or enclosure	e(s) within 1.0 foot	above adjacent gra	ade 2	
c) Total net ar	ea of flood o	penings in A8.b		268.00 sq ir	1			
d) Engineered	l flood openir	ngs? 🗵 Yes 🗌 N	٧o					
A9. For a building v	with an attach	ned garage:						
_		ned garage		N/A sq ft	İ			
		ood openings in the at	<u>.</u>		1.0 foot above adj	acent grade N/A		
c) Total net ar	ea of flood o	penings in A9.b		N/A sq	in			
d) Engineered	flood openin	ngs? Yes 🗆 Y	No.					
	SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION							
				<u> </u>	•	ORMATION	1-2 2	
B1. NFIP Commun BAY COUNTY UN	•	Community Number ATED AREA 12000)4	B2. County BAY	Name		B3. State Florida	
B4. Máp/Panel	B5. Suffix	B6. FIRM Index	T D7 E1E	LRM Panel	B8. Flood	B9. Base Flood E	levation(e)	
Number	Bo. Sullix	Date	Effe	ective/	Zone(s)	(Zone AO, us	e Base Flood Depth)	
12005C0219	Н	06-02-2009	Rev 06-02-2	vised Date 2009	AE	9.0)	
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, 2022

IMPORTANT: In these spaces, copy the correspond	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Unit, Suite, an 6429 MARVIN LANE	Policy Number:		
City SOUTHPORT	State Florida	ZIP Code 32409	Company NAIC Number
SECTION C – BUILDING	ELEVATION INFO	RMATION (SURVEY)	REQUIRED)
*A new Elevation Certificate will be required who C2. Elevations – Zones A1–A30, AE, AH, A (with BF Complete Items C2.a–h below according to the	en construction of the FE), VE, V1–V30, V (validing diagram spe	with BFE), AR, AR/A, A cified in Item A7. In Pue	R/AE, AR/A1–A30, AR/AH, AR/AO.
Benchmark Utilized: RM 219-2	Falls.	atum: NAVD 1988	V NATOLS
Indicate elevation datum used for the elevations ☐ NGVD 1929 ☒ NAVD 1988 ☐ Otl Datum used for building elevations must be the	ner/Source:	. Popul	ASJONAPA DE LA LA LE COMPANIA DE LA PROPERTIDA DE LA PROP
a) Top of bottom floor (including basement, cra			Check the measurement used. 4.0 ⊠ feet ☐ meters
b) Top of the next higher floor			14.7 X feet meters
c) Bottom of the lowest horizontal structural me	mber (V Zones only)	1 No. 20 10 10 10 10	N/A feet meters
d) Attached garage (top of slab)			N/A feet meters
 e) Lowest elevation of machinery or equipment (Describe type of equipment and location in 	servicing the building Comments)		10.3 🗵 feet 🗌 meters
f) Lowest adjacent (finished) grade next to buil	ding (LAG)	-	3.2 X feet meters
g) Highest adjacent (finished) grade next to bui	lding (HAG)	1 46-10	3.7 X feet meters
 h) Lowest adjacent grade at lowest elevation of structural support 	deck or stairs, includ	ling	N/A feet meters
SECTION D – SURVEY	OR, ENGINEER, O	R ARCHITECT CERTI	IFICATION
This certification is to be signed and sealed by a land I certify that the information on this Certificate repress tatement may be punishable by fine or imprisonment	ents my best efforts t	o interpret the data ava	by law to certify elevation information. ilable. I understand that any false
Were latitude and longitude in Section A provided by	a licensed land surv	eyor? 🛛 Yes 🔲 No	Check here if attachments.
Certifier's Name ROGER BLAIN ANGLIN	License Numb 5521	er	455U
Title PROFESSIONAL SURVEYOR AND MAPPER			18v Place
Company Name ANGLIN SURVEYING, LLC	out and the	- 10.7	Seal
Address 3712 CORNELIA LANE	a Table Table 1		Were 12
City PANAMA CITY	State Florida	ZIP Code 32409	04/41
Signature	Date 04-14-2020	Telephone (850) 271-4055	Ext.
Copy all pages of this Elevation Certificate and all attack	chments for (1) commu	ınity official, (2) insuranc	ee agent/company, and (3) building owner.
Comments (including type of equipment and location 1) EQUIPMENT SERVICING BUILDING IS AN OUT 2) TOP OF BOTTOM FLOOR IS AN ENCLOSED ST 3) NEXT HIGHEST FLOOR IS MAIN LIVING AREA. 4) THERE IS A 21 SQUARE FOOT ELEVATOR SHATOTAGE OF THE ENCLOSURE. 5) THE TWO ENGINEERED VENTS ARE 81/4" X 16	SIDE AIR CONDITIC TORAGE AREA UND AFT WITHIN THE EN	NER UNIT ON RIGHT ERNEATH BUILDING. CLOSURE THAT IS NO	OT INCLUDED IN THE SQUARE

ELEVATION CERTIFICATE

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

						Expiration But	
IMPORTANT: In these spaces,	copy the correspo	nding informati	on from Se	ction A.	erina situ	FOR INSURA	NCE COMPANY USE
Building Street Address (including 6429 MARVIN LANE	ng Apt., Unit, Suite,	and/or Bldg. No.)	or P.O. Rou	ute and Bo	ox No.	Policy Number	Evildon Street Addrest est a MARCON in VE
City	m 0 P	State		Code		Company NAI	C Number
SOUTHPORT		Florida	324	.09			SOUTHERN ST.
SECTIO	ON E – BUILDING FOR ZO	ELEVATION IN ONE AO AND Z				REQUIRED)	
For Zones AO and A (without BF complete Sections A, B,and C. F enter meters. E1. Provide elevation information	For Items E1–E4, us	se natural grade,	if available.	Check the	measuren	nent used. In P	uerto Rico only,
the highest adjacent grade a) Top of bottom floor (incli	(HAG) and the lowe			xes to sno	w whether	the elevation is	s above of below
crawlspace, or enclosur b) Top of bottom floor (incli	e) is	red i Zone K.(vi	cool pathies	feet	meters	above o	r 🗌 below the HAG.
crawlspace, or enclosur		-		feet	meters	above o	r 🗌 below the LAG.
E2. For Building Diagrams 6–9 the next higher floor (elevat the diagrams) of the buildin	ion C2.b in	od openings prov	ided in Secti		s 8 and/or 9	_	-2 of Instructions), r □ below the HAG.
E3. Attached garage (top of sla		5.5	oper time (1)	JEC-S-CEAN	meters		r below the HAG.
E4. Top of platform of machiner			12019	3/2		4	1120-8197
servicing the building is	Jasametov	ami lipinatadudi	. Linginga	feet	meters	sol hadolines	r ∐ below the HAG.
E5. Zone AO only: If no flood do floodplain management ord							
SECTION	F - PROPERTY C	WNER (OR OW	NER'S REP	RESENTA	ATIVE) CE	RTIFICATION	
The property owner or owner's a community-issued BFE) or Zone	e AO must sign here	e. The statements	etes Sections in Sections	ns A, B, an A, B, and	d E for Zor E are corr	ne A (without a ect to the best	FEMA-issued or of my knowledge.
Property Owner or Owner's Auth	norized Representat	live's Name					
Address			City		Sta	te 🛶	ZIP Code
•	•	ar • 1401				•	ernell vA. ontoxic
Signature			Date		Tel	ephone	
Comments		7 107					Station to the state of the sta
o o minorito		4/20/20					
							167
						☐ Check	here if attachments.

ELEVATION CERTIFICATE

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

MPORTANT: In these spaces, copy the corre	FOR II	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Unit, St 6429 MARVIN LANE	x No. Policy	Number:		
City SOUTHPORT	State Florida	ZIP Code 32409	Compa	any NAIC Number
SECTION	ON G - COMMUNIT	Y INFORMATION (OPT	IONAL)	
The local official who is authorized by law or or Sections A, B, C (or E), and G of this Elevation used in Items G8–G10. In Puerto Rico only, en	Certificate. Comple			
G1. The information in Section C was tak engineer, or architect who is authoriz data in the Comments area below.)				
G2. A community official completed Section Zone AO.	ion E for a building	located in Zone A (witho	ut a FEMA-issued	d or community-issued BFE)
G3. The following information (Items G4–	-G10) is provided fo	r community floodplain n	nanagement purp	ooses.
G4. Permit Number RB18-974	G5. Date Permit	Issued	G6. Date Ce Complian	rtificate of nce/Occupancy Issued
G7. This permit has been issued for:	New Construction	n ☐ Substantial Improve	ement	an the victor's t
G8. Elevation of as-built lowest floor (including of the building:		eters Datum		
G9. BFE or (in Zone AO) depth of flooding at the building site:				eters Datum
G10. Community's design flood elevation:	1 J 11 1		feet me	eters Datum
Local Official's Name	- 1	Title		a refin
Community Name	•	Telephone		entitle age
Signature	-	Date 4/20/2026)	- 175.1.16
Comments (including type of equipment and loa	cation, per C2(e), if	applicable)		
OK for co.				
				☐ Check here if attachments.

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

See Instructions for Item A6.

OMB No. 1660-0008

Expiration Date: November 30, 2022

IMPORTANT: In these spaces, co	FOR INSURANCE COMPANY USE Policy Number:		
Building Street Address (including 6429 MARVIN LANE			
City	State	ZIP Code	Company NAIC Number
SOUTHPORT	Florida	32409	では、 は、 は、 は、 は、 は、 は、 は、 は、 は、

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 04/10/2020

Clear Photo One



Photo Two

REAR VIEW Photo Two Caption

04/10/2020

Clear Photo Two

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Un 6429 MARVIN LANE	Policy Number:		
City SOUTHPORT	State Florida	ZIP Code 32409	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

04/10/2020

Clear Photo Three



Photo Four

Photo Four Caption LEFT SIDE VIEW

04/10/2020

Clear Photo Four



Most Widely Accepted and Trusted

ICC-ES Evaluation Report

ICC-ES | (800) 423-6587 | (562) 699-0543 | www.icc-es.org

ESR-4332

Issued 03/2019
This report is subject to renewal 03/2020.

DIVISION: 08 00 00—OPENINGS

SECTION: 08 95 43—VENTS/FOUNDATION FLOOD VENTS

REPORT HOLDER:

SMART PRODUCT INNOVATIONS, INC.

EVALUATION SUBJECT:

FREEDOM FLOOD VENT™ AUTOMATIC FOUNDATION FLOOD VENT: MODEL FFV-1608



"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.





ICC-ES Evaluation Report

ESR-4332

Issued March 2019

This report is subject to renewal March 2020.

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A Subsidiary of the International Code Council®

DIVISION: 08 00 00—OPENINGS

Section: 08 95 43-Vents / Foundation Flood Vents

REPORT HOLDER:

SMART PRODUCT INNOVATIONS, INC.

EVALUATION SUBJECT:

FREEDOM FLOOD VENT™ AUTOMATIC FOUNDATION FLOOD VENT: MODEL FFV-1608

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)

Properties evaluated:

- Physical operation
- Water flow
- Weathering

2.0 USES

The model FFV-1608 Freedom Flood Vent[™] is used to equalize hydrostatic pressure on walls of enclosures subject to rising or falling floodwaters. With the cover removed, the model FFV-1608 also provides natural air ventilation.

3.0 DESCRIPTION

3.1 General:

The model FFV-1608 Freedom Flood Vent is an engineered mechanically operated in-wall flood vent (FV) that automatically allows floodwater to enter an enclosed area and exit. The FV is comprised of a polycarbonate frame with mounting flange and a polycarbonate horizontally pivoting door. When subjected to rising water, the model FFV-1608 Freedom Flood Vent door is activated and pivots to allow water and debris to flow in either direction to equalize hydrostatic pressure from one side of the enclosure to the other. The FV features a removable polycarbonate cover. The FV door will activate and pivot when subjected to rising water with or without the polycarbonate cover installed.

3.2 Engineered Opening:

The FV complies with the design principle noted in Section 2.7.2.2 and Section 2.7.3 of ASCE/ SEI 24-14 (2018 and 2015 IBC and IRC) [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, Freedom Flood Vent[™] FVs must be installed in accordance with Section 4.0 below. See Table 1 for vent size and maximum allowable area coverage for a single vent.

4.0 DESIGN AND INSTALLATION

The model FFV-1608 Freedom Flood Vent is designed to be installed into walls or overhead doors of existing or new construction. Installation of the vent must be in accordance with the manufacturer's instructions, the applicable code, and this report. In order to comply with the engineered opening design principle noted in Sections 2.7.2.2 and 2.7.3 of ASCE/ SEI 24-14 (2018 and 2015 IBC and IRC) [Section 2.6.2.2 of ASCE/ SEI 24-05 (2012, 2009, 2006 IBC and IRC)], the Freedom Flood Vent 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 250 square feet (23.2 m²) of enclosed area.
- Below the base flood elevation.
- With the bottom of the vent located a maximum of 12 inches (305.4 mm) above the higher of the final interior grade or floor and the finished exterior grade immediately under each opening.

5.0 CONDITIONS OF USE

The Freedom Flood Vent[™] described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The model FFV-1608 Freedom Flood Vent[™] unit must be installed in accordance with this report, the applicable code and the manufacturer's published installation instructions. In the event of a conflict, the instructions in this report shall govern.
- 5.2 The model FFV-1608 Freedom Flood Vent[™] unit must not be used in place of "breakaway walls" in coastal high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.



5.3 Use of the Freedom Flood Vent as under-floor space ventilation is outside the scope of this report.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015 (editorially revised October 2017).

7.0 IDENTIFICATION

7.1 The Freedom Flood Vent[™] model recognized in this report must be identified by a label bearing the manufacturer's name (Smart Product Innovations, Inc.) and the evaluation report number (ESR-4332.).

7.2 The report holder's contact information is the following:

SMART PRODUCT INNOVATIONS, INC. 430 ANDBRO DRIVE, UNIT 1
PITMAN, NEW JERSEY 08071
(800) 507-1527
www.freedomfloodvent.com
info@freedomfloodvent.com

TABLE 1—FREEDOM FLOOD VENT™

MODEL NAME	MODEL NUMBER	MODEL SIZE	COVERAGE (sq. ft.)
Freedom Flood Vent [™]	FFV-1608	15 ³ / ₄ " × 8 ¹ / ₁₆ "	250

For SI: 1 inch = 25.4 mm

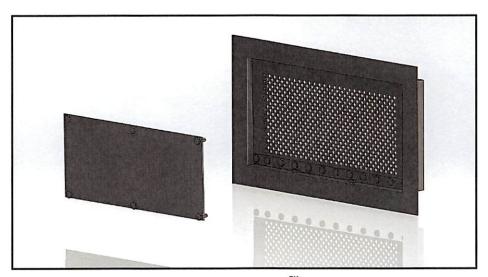


FIGURE 1—MODEL FFV-1608 FREEDOM FLOOD VENT™: SHOWN WITH COVER REMOVED



FIGURE 2—MODEL FFV-1608 FREEDOM FLOOD VENT™: SHOWN WITH FLOOD DOOR PIVOTED OPEN



ICC-ES Evaluation Report

ESR-4332 CBC and CRC Supplement

Issued March 2019

This report is subject to renewal March 2020.

www.icc-es.org | (800) 423-6587 | (562) 699-0543

A Subsidiary of the International Code Council®

DIVISION: 08 00 00—OPENINGS

Section: 08 95 43-Vents / Foundation Flood Vents

REPORT HOLDER:

SMART PRODUCT INNOVATIONS, INC.

EVALUATION SUBJECT:

FREEDOM FLOOD VENT™ AUTOMATIC FOUNDATION FLOOD VENT: MODEL FFV-1608

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that the Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, recognized in ICC-ES master evaluation report ESR-4332, has also been evaluated for compliance with codes noted below.

Applicable code edition(s):

- 2016 California Building Code (CBC)
- 2016 California Residential Code (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4332, complies with CBC Chapters 12, 16 and 16A, provided the design and installation are in accordance with the 2015 International Building Code® (2015 IBC) provisions noted in the master report and the additional requirements of 12, 16, and 16A, as applicable.

The product recognized in this supplement has 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.

The Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4332, complies with the 2016 CRC, provided the design and installation are in accordance with the 2015 International Residential Code® (2015 IRC) provisions noted in the master report.

The product recognized in this supplement has 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 product recognized in this supplement has not been evaluated for compliance with the International Wildland-Urban Interface Code®.

This supplement expires concurrently with the master report, issued March 2019.



ICC-ES Evaluation Report

ESR-4332 FBC Supplement

Issued March 2019

This report is subject to renewal March 2020.

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A Subsidiary of the International Code Council®

DIVISION: 08 00 00—OPENINGS

Section: 08 95 43—Vents / Foundation Flood Vents

REPORT HOLDER:

SMART PRODUCT INNOVATIONS, INC.

EVALUATION SUBJECT:

FREEDOM FLOOD VENTTM AUTOMATIC FOUNDATION FLOOD VENT: MODEL FFV-1608

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, recognized in ICC-ES master evaluation report ESR-4332, has 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 Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4332, complies with the Florida Building Code-Building and the Florida Building Code-Residential, provided the design and installation are in accordance with the International Building Code® (IBC) provisions noted in the master report.

Use of the Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608 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, issued March 2019.