## 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.

SECTION A - PROPERTY INFORMATION					FOR INSUF	RANCE COMPANY USE	
A1. Building Owner's Name Policy Number:						ber:	
EDWARD & JOAN ANUSKIEWICZ							
A2. Building Street Box No.	2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Company NAIC Number:						IAIC Number:
2650 LEMON AVE	2650 LEMON AVENUE						
City	State ZIP Code						
ENGLEWOOD				Florida	····	34223	
	A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT 3, BLOCK 7, MANASOTA GARDENS 1ST ADDITION, PLAT BOOK 7, PAGE 92, SARASOTA COUNTY, FLORIDA						
A4. Building Use (	e.g., Resider	ntial, Non-Residential,	Addition	, Accessory,	etc.) RESIDENTI	IAL	
		27.01823°			· · · · · · · · · · · · · · · · · · ·		1927 × NAD 1983
	_	hs of the building if the	_		<del></del>	_	_
A7. Building Diagra							
A8. For a building	with a crawls	space or enclosure(s):					
a) Square foot	tage of crawl	space or enclosure(s)	)	<u> </u>	N/A sq ft		
b) Number of p	permanent flo	ood openings in the cr	awispac	e or enclosure		: above adjacent gra	ade N/A
		penings in A8.b					
d) Engineered	flood openir	ngs? ☐ Yes ☒ N	No				
A9. For a building w	vith an attach	ned garage:					
a) Square foot	a) Square footage of attached garage624_ sq ft						
b) Number of p	ermanent flo	ood openings in the at	tached g	arage within	1.0 foot above adja	acent grade 3	
c) Total net are	ea of flood op	penings in A9.b	· <u>-</u>	750 sq	in	<del></del>	
d) Engineered							
		CTION B - FLOOD I	NSURA	NCE RATE	MAP (FIRM) INF	ORMATION	
B1. NFIP Communi	ty Name & C	community Number		B2. County	Name		B3. State
SARASOTA COUN	NTY - 125144	<b>4</b>		SARASOTA	<b>A</b>		Florida
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	Effe	RM Panel ective/ vised Date	B8. Flood Zone(s)	B9. Base Flood El (Zone AO, use	levation(s) Base Flood Depth)
12115C-0343	F	11-04-2016	11-04-	2016	AE	10'	
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:							
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other/Source:							
B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 X NAVD 1988 Other/Source:							
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?  \( \subseteq \subsete							
<del>-</del> -							
Designation 2	Designation Date: CBRS OPA						

# **ELEVATION CERTIFICATE**

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

IMPORTANT: In these spaces, copy the correspondin	FOR INSURANCE COMPANY USE				
Building Street Address (including Apt., Unit, Suite, and/o 2650 LEMON AVENUE	Policy Number:	Policy Number:			
		Code 223	Company NAIC	Number	
SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)					
	ion Drawings*	ilding Under Construiting is complete. BFE), AR, AR/A, AR/ in Item A7. In Puert N.A.V.D. '88 bw.	Check the m  11.4		
g) Highest adjacent (finished) grade next to buildir			9.6 × feet	☐ meters	
h) Lowest adjacent grade at lowest elevation of de structural support	ck or stairs, including	-	9.6 × feet	meters	
SECTION D – SURVEYOR	SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION				
This certification is to be signed and sealed by a land su I certify that the information on this Certificate represent statement may be punishable by fine or imprisonment u Were latitude and longitude in Section A provided by a l	s my best efforts to intender 18 U.S. Code, Sec	rpret the data availa ction 1001.	ble. I understand	vation information.  I that any false  are if attachments.	
Certifier's Name B. GREGORY RIETH, PSM,CFM Title VICE PRESIDENT Company Name BENNETT-PANFIL, INC. Address 742 SHAMROCK BLVD	License Number 5228			lace Seal lere	
City VENICE	State Florida	ZIP Code		*	
		34293 Talanhana			
Signature Ruth	Date 05-01-2023	Telephone (941) 497-1290	Ext.		
Copy all pages of this Elevation Certificate and all attachmed Comments (including type of equipment and location, per Section C2e) Is the bottom of an air conditioning unit location A5) Derived from a hand held G.P.S. unit (GPST Section A9) Subject structure has (3) flood vents, engine Date of Field Survey: 04/28/23 (File #20-06-52)	or C2(e), if applicable) ated on the southeaster EST App - No Convers	rly side of the buildin	ng.	F	

Carlotte Carlotte Section 1 They strong these y Mari eletine (1) ele 20 The second of the second The second secon 3.

# **ELEVATION CERTIFICATE**

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

IMPORTANT: In these spaces, copy the correspon	FOR INSURANCE COMPANY	USE			
Building Street Address (including Apt., Unit, Suite, ar 2650 LEMON AVENUE	nd/or Bldg. No.)		Зох Мо.	Policy Number:	
City	State	ZIP Code		Company NAIC Number	
ENGLEWOOD	Florida	34223			
SECTION E – BUILDING E FOR ZON	LEVATION INF NE AO AND ZO	FORMATION (SUF ONE A (WITHOUT	RVEY NOT BFE)	REQUIRED)	
For Zones AO and A (without BFE), complete Items E complete Sections A, B,and C. For Items E1–E4, use enter meters.	natural grade, if	f available. Check th	ne measure	ement used. In Puerto Rico only,	
<ul><li>E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).</li><li>a) Top of bottom floor (including basement,</li></ul>					
crawlspace, or enclosure) is			t 🗌 meter	rs  above or  below the H	AG.
<ul> <li>Top of bottom floor (including basement, crawlspace, or enclosure) is</li> </ul>			t 🔲 meter	rs	AG.
E2. For Building Diagrams 6-9 with permanent flood	openings provid	led in Section A Iter	ns 8 and/or	9 (see pages 1–2 of Instructions)	).
the next higher floor (elevation C2.b in the diagrams) of the building is			t 🗌 meter	rs above or below the HA	AG.
E3. Attached garage (top of slab) is		fee	t 🗌 meter	rs above or below the HA	AG.
E4. Top of platform of machinery and/or equipment servicing the building is		feet	t 🔲 meter	rs  above or  below the HA	AG.
E5. Zone AO only: If no flood depth number is available floodplain management ordinance? Yes				ccordance with the community's certify this information in Section (	G.
SECTION F - PROPERTY OW	NER (OR OWN	JER'S REPRESENT	TATIVE) CE	ERTIFICATION	
The property owner or owner's authorized representat community-issued BFE) or Zone AO must sign here.	ive who complete fine statements in the statement in the state	tes Sections A, B, a in Sections A, B, an	nd E for Zo d E are cor	one A (without a FEMA-issued or rect to the best of my knowledge.	
Property Owner or Owner's Authorized Representative	∍'s Name				
Address		City	Sta	ate ZIP Code	
Signature		Date	Te	elephone	
Signature Comments		Date	Te	elephone	
		Date	Te	elephone	
		Date	Te	elephone	
		Date	Te	elephone	
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		Date	Te	elephone	

## **ELEVATION CERTIFICATE**

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

IMPORTANT: In these spaces, copy the corr		URANCE COMPANY USE				
Building Street Address (including Apt., Unit, S	Box No. Policy Nu	mber:				
2650 LEMON AVENUE						
City	State ZIP Code	Company	NAIC Number			
ENGLEWOOD	Florida 34223					
SECTION	ON G - COMMUNITY INFORMATION (	PTIONAL)				
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 Sect or Zone AO.	ion E for a building located in Zone A (w	thout a FEMA-issued or	community-issued BFE)			
G3. The following information (Items G4-	-G10) is provided for community floodpl	in management purpose	<b>)</b> \$.			
G4. Permit Number	G5. Date Permit Issued	G6. Date Certific Compliance	cate of /Occupancy Issued			
G7. This permit has been issued for:	New Construction  Substantial Imp	ovement				
G8. Elevation of as-built lowest floor (including of the building:	g basement)	feet meters	s Datum			
G9. BFE or (in Zone AO) depth of flooding at	the building site:	feet meters	S Datum			
G10. Community's design flood elevation:		feet meters	B Datum			
Local Official's Name	Title					
Community Name	Telephone					
Signature	Date					
Comments (including type of equipment and loa	cation, per C2(e), if applicable)					
Comments (moleculary type of equipment and location, per Cz(e), if applicable)						
		_ c	heck 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, cop	FOR INSURANCE COMPANY USE		
Building Street Address (including A	Policy Number:		
2650 LEMON AVENUE			
City	State	ZIP Code	Company NAIC Number
ENGLEWOOD	Florida	34223	

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 Caption

FRONT VIEW (PHOTO TAKEN 04/25/2023)

Clear Photo One

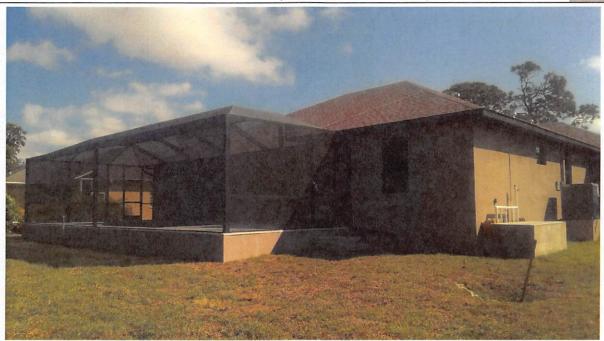


Photo Two Caption

REAR VIEW (PHOTO TAKEN 04/25/2023)

Clear Photo Two

## **BUILDING PHOTOGRAPHS**

**ELEVATION CERTIFICATE** 

Continuation Page

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

IMPORTANT: In these spaces, cop	FOR INSURANCE COMPANY USE		
Building Street Address (including A 2650 LEMON AVENUE	Policy Number:		
City	State	ZIP Code	Company NAIC Number
ENGLEWOOD	Florida	34223	

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.

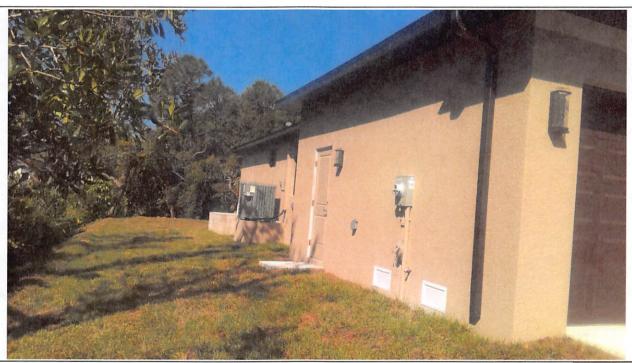


Photo Three Caption

FLOOD VENTS (PHOTO TAKEN 04/25/2023)

Clear Photo Three

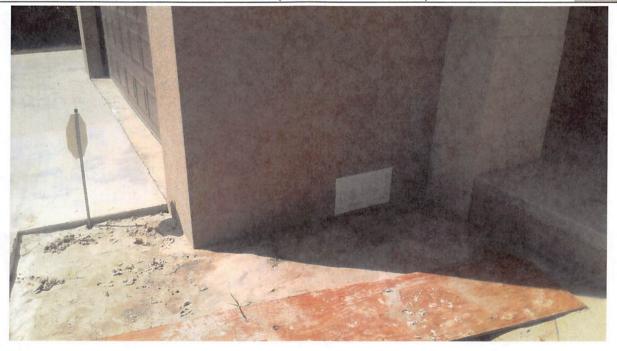


Photo Four Caption

FLOOD VENTS (PHOTO TAKEN 04/25/2023)

Clear Photo Four



## **ICC-ES Evaluation Report**



## **ESR-4332**

Reissued March 2020 Revised May 2021 This report is subject to renewal March 2022.

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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:

- 2021, 2018, 2015, 2012, 2009 and 2006 International Building Code<sup>®</sup> (IBC)
- 2021, 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<sup>™</sup> 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<sup>™</sup> 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 (2021, 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 (2021, 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 February 2021).

## 7.0 IDENTIFICATION

7.1 The Freedom Flood Vent™ model described 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.co

TABLE 1—FREEDOM FLOOD VENT™

MODEL NAME	MODEL NUMBER	MODEL SIZE	COVERAGE (sq. ft.)
Freedom Flood Vent™	FFV-1608	15 <sup>3</sup> / <sub>4</sub> " X 8 <sup>1</sup> / <sub>16</sub> "	250

For SI: 1 inch = 25.4 mm

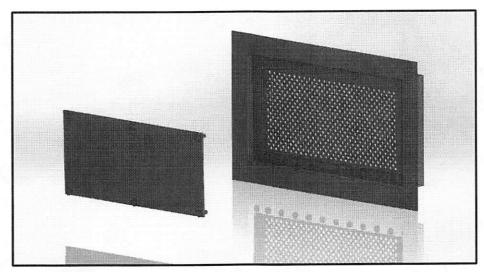


FIGURE 1—MODEL FFV-1608 FREEDOM FLOOD VENT™: SHOWN WITH COVER REMOVED

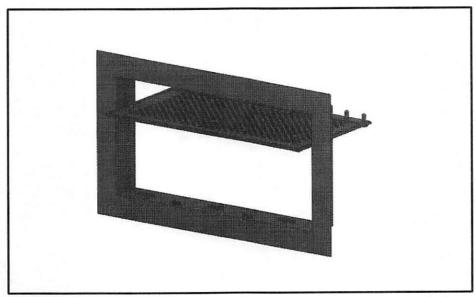


FIGURE 2—MODEL FFV-1608 FREEDOM FLOOD VENT™: SHOWN WITH FLOOD DOOR PIVOTED OPEN



## **ICC-ES Evaluation Report**

## ESR-4332 CBC and CRC Supplement

Reissued March 2020 Revised May 2021

This report is subject to renewal March 2022.

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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 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, described in ICC-ES evaluation report ESR-4332, has also been evaluated for compliance with codes noted below.

### Applicable code edition(s):

■ 2019 California Building Code (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide 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 Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, described in Sections 2.0 through 7.0 of the evaluation report ESR-4332, complies with 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 Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, described in Sections 2.0 through 7.0 of the evaluation report ESR-4332, complies 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 March 2020 and revised May 2021.



Page 3 of 4



# **ICC-ES** Evaluation Report

# **ESR-4332 FBC Supplement**

Reissued March 2020 Revised May 2021 This report is subject to renewal March 2022.

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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 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, described in ICC-ES evaluation report ESR-4332, has 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 Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, described in Sections 2.0 through 7.0 of the evaluation report ESR-4332, complies 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 and the Florida Building Code—Residential, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-4332 for the 2018 International Building Code® (IBC) meet the requirements of Florida Building Code—Building and the Florida Building Code—Residential, as applicable.

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 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 March 2020 and revised May 2021.



Page 4 of 4