National Flood Insurance Program

Elevation Certificate

and Instructions

2023 EDITION





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

ELEVATION CERTIFICATE AND INSTRUCTIONS

PAPERWORK REDUCTION ACT NOTICE

Public reporting burden for this data collection is estimated to average 3.75 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting this form. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20742, Paperwork Reduction Project (1660-0008). **NOTE: Do not send your completed form to this address.**

PRIVACY ACT STATEMENT

Authority: Title 44 CFR § 61.7 and 61.8.

Principal Purpose(s): This information is being collected for the primary purpose of documenting compliance with National Flood Insurance Program (NFIP) floodplain management ordinances for new or substantially improved structures in designated Special Flood Hazard Areas. This form may also be used as an optional tool for a Letter of Map Amendment (LOMA), Conditional LOMA (CLOMA), Letter of Map Revision Based on Fill (LOMR-F), or Conditional LOMR-F (CLOMR-F), or for flood insurance rating purposes in any flood zone.

Routine Use(s): The information on this form may be disclosed as generally permitted under 5 U.S.C. § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/ FEMA-003 – *National Flood Insurance Program Files System of Records Notice* 79 Fed. Reg. 28747 (May 19, 2014) and upon written request, written consent, by agreement, or as required by law.

Disclosure: The disclosure of information on this form is voluntary; however, failure to provide the information requested may impact the flood insurance premium through the NFIP. Information will only be released as permitted by law.

PURPOSE OF THE ELEVATION CERTIFICATE

The Elevation Certificate is an important administrative tool of the NFIP. It can be used to provide elevation information necessary to ensure compliance with community floodplain management ordinances, to inform the proper insurance premium, and to support a request for a LOMA, CLOMA, LOMR-F, or CLOMR-F.

The Elevation Certificate is used to document floodplain management compliance for Post-Flood Insurance Rate Map (FIRM) buildings, which are buildings constructed after publication of the FIRM, located in flood Zones A1–A30, AE, AH, AO, A (with Base Flood Elevation (BFE)), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, and A99. It may also be used to provide elevation information for Pre-FIRM buildings or buildings in any flood zone.

As part of the agreement for making flood insurance available in a community, the NFIP requires the community to adopt floodplain management regulations that specify minimum requirements for reducing flood losses. One such requirement is for the community to obtain the elevation of the lowest floor (including basement) of all new and substantially improved buildings, and maintain a record of such information. The Elevation Certificate provides a way for a community to document compliance with the community's floodplain management ordinance.

Use of this certificate does not provide a waiver of the flood insurance purchase requirement. Only a LOMA or LOMR-F from the Federal Emergency Management Agency (FEMA) can amend the FIRM and remove the federal mandate for a lending institution to require the purchase of flood insurance. However, the lending institution has the option of requiring flood insurance even if a LOMA/LOMR-F has been issued by FEMA. The Elevation Certificate may be used to support a LOMA, CLOMA, LOMR-F, or CLOMR-F request. Lowest Adjacent Grade (LAG) elevations certified by a land surveyor, engineer, or architect, as authorized by state law, will be required if the certificate is used to support a LOMA, CLOMA, LOMR-F, or CLOMR-F, or CLOMR-F

This certificate is used only to certify building elevations. A separate certificate is required for floodproofing. Under the NFIP, non-residential buildings can be floodproofed up to or above the BFE. A floodproofed building is a building that has been designed and constructed to be watertight (substantially impermeable to floodwaters) below the BFE. Floodproofing of residential buildings is not permitted under the NFIP unless FEMA has granted the community an exception for residential floodproofed basements. The community must adopt standards for design and construction of floodproofed basements before FEMA will grant a basement exception. For both floodproofed non-residential buildings and residential floodproofed basements in communities that have been granted an exception by FEMA, a floodproofing certificate is required.

The expiration date on the form herein does not apply to certified and completed Elevation Certificates, as a completed Elevation Certificate does not expire, unless there is a physical change to the building that invalidates information in Section A Items A8 or A9, Section C, Section E, or Section H. In addition, this form is intended for the specific building referenced in Section A and is not invalidated by the transfer of building ownership.

Additional guidance can be found in FEMA Publication 467-1, Floodplain Management Bulletin: Elevation Certificate.

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

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

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: Robert A. Hastings Jr & Rosann Hastings Policy Number:									
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 1715 Gale Street Company NAIC Number:									
City: Englewood State: FL ZIP Code: 34223									
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: Lot 5, Block 12, Manasota Gardens, Sarasota County, Florida PID# 0475010005									
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): Detached Garage									
A5. Latitude/Longitude: Lat. 27°01'08.50" N. Long. 082°24'13.10" W. Horiz. Datum: NAD 1927 🕅 NAD 1983 🗌 WGS 84									
A6. Attach at least two and when possible four clear color photographs (one for each side) of the building (see Form pages 7 and 8).									
A7. Building Diagram Number: 1A									
A8. For a building with a crawlspace or enclosure(s):									
a) Square footage of crawlspace or enclosure(s): <u>1620</u> sq. ft.									
b) Is there at least one permanent flood opening on two different sides of each enclosed area? 🛛 Yes 🗌 No 🗌 N/A									
c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 footable apart gate Non- engineered flood openings:7									
d) Total net open area of non-engineered flood openings in A8.c: N/A sq. in.									
e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): 1750 sq. ft.									
f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): N/A sq. ft.									
A9. For a building with an attached garage:									
a) Square footage of attached garage: N/A sq. ft.									
b) Is there at least one permanent flood opening on two different sides of the attached garage? 🗌 Yes 🗌 No 🛛 🕅 N/A									
c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: Non-engineered flood openings:N/A_ Engineered flood openings:N/A_									
d) Total net open area of non-engineered flood openings in A9.c: <u>N/A</u> sq. in.									
e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): N/A sq. ft.									
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): <u>N/A</u> sq. ft.									
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION									
B1.a. NFIP Community Name: Sarasota County B1.b. NFIP Community Identification Number: 125144									
B2. County Name: Sarasota B3. State: FL B4. Map/Panel No.: 12115C-0344 B5. Suffix: G									
B6. FIRM Index Date: 03/27/2024 B7. FIRM Panel Effective/Revised Date: 03/27/2024									
B8. Flood Zone(s): <u>AE & X</u> B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): <u>9 Feet</u>									
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: ☐ FIS ☐ FIRM ☐ Community Determined ☐ Other:									
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:									
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? 🗌 Yes 🔀 No									

Form Instructions	IMPORTANT: MUST FC	-							
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PA							OMPANY USE		
1715 Gale Street			olicy Numb		OMPANT USE				
City: Englewood				per:					
	SECTION C - BUILDI	NG ELEVATION	INFORMATION (SURVEY RE	QUIRED)				
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, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: Sarasota Co. SAR-23 Vertical Datum: N.A.V.D. 88.									
Indicate elevation datum	n used for the elevations in	, -	n) below.						
Datum used for building elevations must be the same as that used for the BFE. Conversion factor used? If Yes, describe the source of the conversion factor in the Section D Comments area.							No asurement used:		
a) Top of bottom flo	oor (including basement, c	rawlspace, or encl	osure floor):	1(meters		
b) Top of the next h	nigher floor (see Instructior	าร):		19	9.8 🖂 f	feet	meters		
c) Bottom of the low	vest horizontal structural n	nember (see Instru	ictions):	N		feet	meters		
d) Attached garage	(top of slab):			N		feet	meters		
-	n of Machinery and Equipn M&E and location in Sect			13		feet	meters		
f) Lowest Adjacent	t Grade (LAG) next to build	ding: 🗌 Natural	🔀 Finished	1().4 ⊠ f	feet	meters		
g) Highest Adjacent	t Grade (HAG) next to bui	lding: 🗍 Natural	Finished	1().5 ⊠ f	feet	meters		
h) Finished LAG at support:	lowest elevation of attach	ed deck or stairs, i	ncluding structural	N		feet	meters		
	SECTION D - SURV	EYOR. ENGINE	ER. OR ARCHITE		CATION				
SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by state 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 longitu	ude in Section A provided	by a licensed land	l surveyor? 🛛 Yes	🗌 No					
Check here if attachm	nents and describe in the	Comments area.							
Certifier's Name: Rober	t J Breedlove	Licens	e Number: LS 7040			<i>'''''''''</i>	۱		
Title: Professional Sur	rveyor and Mapper				SALE P	T J BREE			
Certifier's Name: Robert J Breedlove License Number: LS 7040 Title: Professional Surveyor and Mapper Company Name: VanBuskirk & Fish Surveying and Mapping Inc. Address: 12450 Tamiami Trail City: North Port State: FL ZIP Code: 34287 Telephone: (941) 426-0681 Ext.: Email: Landsurveyor@vbfainc.com Signatura: Date: 01/02/2025									
Address: 12450 Tamia	mi Trail								
City: North Port State: FL ZIP Code: 34287							Spoe		
Telephone: (941) 426-0	0681 Ext.:	_ Email: Landsu	rveyor@vbfainc.co	m		V Surveyor	andhass		
Signature:			Date: 01/02	2/2025		Place Sea	al Here		
Copy all pages of this Ele	vation Certificate and all att	achments for (1) co	ommunity official, (2) ir	nsurance agent	/company,	and (3) bu	uilding owner.		
This property was peri 11 Feet. The coordina vents in the garage wa 250 sq in each, giving	urce of conversion factor i mitted under FIRM #12 ates in item A5.) were ga alls were manufactured you a total venting area stand at the rear of the	115C-0344 F, Ef athered using a l and engineered a of 1750 sq in.	fective date 11/04/ hand-held GPS on by Freedom Flood	2016 with a F the date of th Vents mode	Flood Zon ne survey I # FFV-16	e of ÁE w . In item / 608.They	vith a BFE of A9. c) The 7 ⁄ are rated at		

Form Instructions ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTIO	N PAGES 1-11								
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 1715 Gale Street	FOR INSURANCE COMPANY USE								
City: Englewood State: FL ZIP Code: 34223	Policy Number: Company NAIC Number:								
SECTION E – BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)									
	For Zones AO, AR/AO, and A (without BFE), complete Items E1–E5. For Items E1–E4, use natural grade, if available. If the Certificate is intended to support a Letter of Map Change request, complete Sections A, B, and C. Check the measurement used. In Puerto Rico only, enter meters								
Building measurements are based on: Construction Drawings* Building Under Constructi *A new Elevation Certificate will be required when construction of the building is complete.	on* Finished Construction								
E1. Provide measurements (C.2.a in applicable Building Diagram) for the following and check the a measurement is above or below the natural HAG and the LAG.	appropriate boxes to show whether the								
a) Top of bottom floor (including basement, crawlspace, or enclosure) is:	above or 📋 below the HAG.								
b) Top of bottom floor (including basement, crawlspace, or enclosure) is:	above or below the LAG.								
E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/c next higher floor (C2.b in applicable Building Diagram) of the building is:									
E3. Attached garage (top of slab) is:									
E4. Top of platform of machinery and/or equipment servicing the building is:	☐ 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 a floodplain management ordinance? Yes No Unknown The local official m	ccordance with the community's ust certify this information in Section G.								
SECTION F – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESEN	ITATIVE) CERTIFICATION								
The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without BFE) or Zone AO must sign here. <i>The statements in Sections A, B, and E are correct to the best of my knowledge</i> Check here if attachments and describe in the Comments area. Property Owner or Owner's Authorized Representative Name:									
Address:State:	ZIP Code:								
Address:State:									
Address:									
Address:									
Address:									
Address:									
Address:									
Address:									
Address:									
Address:									

Form Instructions ELEVATION (IMPORTANT: MUST FOLLOW THE INSTR	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or F 1715 Gale Street	P.O. Route and Box No.: FOR INSURANCE COMPANY USE
	ZIP Code: 34223
	Company NAIC Number:
SECTION G – COMMUNITY INFORMATION (RECOMM	IENDED FOR COMMUNITY OFFICIAL COMPLETION)
The local official who is authorized by law or ordinance to administer the Section A, B, C, E, G, or H of this Elevation Certificate. Complete the	
	entation that has been signed and sealed by a licensed surveyor, rtify elevation information. (Indicate the source and date of the
G2.a. A local official completed Section E for a building located in E5 is completed for a building located in Zone AO.	n Zone A (without a BFE), Zone AO, or Zone AR/AO, or when item
G2.b. 🗌 A local official completed Section H for insurance purposes	S.
G3. In the Comments area of Section G, the local official descr	ibes specific corrections to the information in Sections A, B, E and H.
G4. The following information (Items G5–G11) is provided for a	community floodplain management purposes.
G5. Permit Number: G6. Date Perm	nit Issued:
G7. Date Certificate of Compliance/Occupancy Issued:	
G8. This permit has been issued for: \Box New Construction \Box S	Substantial Improvement
G9.a. Elevation of as-built lowest floor (including basement) of the building:	feet meters Datum:
G9.b. Elevation of bottom of as-built lowest horizontal structural member:	feet meters Datum:
G10.a. BFE (or depth in Zone AO) of flooding at the building site:	feet meters Datum:
G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member:	☐ feet ☐ meters Datum:
G11. Variance issued? 🗌 Yes 📄 No If yes, attach documen	
The local official who provides information in Section G must sign here correct to the best of my knowledge. If applicable, I have also provide	e. I have completed the information in Section G and certify that it is
Local Official's Name:	Title:
NFIP Community Name:	
Address:	
City:	State: ZIP Code:
Signature:	Date:
Comments (including type of equipment and location, per C2.e; descri Sections A, B, D, E, or H):	

Form Instructions ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11									
Building Street Add 1715 Gale Street	ess (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE							
City: Englewood	State: FL ZIP Code: 34223	Policy Number: Company NAIC Number:							
SECTION H – BUILDING'S FIRST FLOOR HEIGHT INFORMATION FOR ALL ZONES (SURVEY NOT REQUIRED) (FOR INSURANCE PURPOSES ONLY)									
The property owner, owner's authorized representative, or local floodplain management official may complete Section H for all flood zones to determine the building's first floor height for insurance purposes. Sections A, B, and I must also be completed. Enter heights to the nearest tenth of a foot (nearest tenth of a meter in Puerto Rico). <i>Reference the Foundation Type Diagrams (at the end of Section H Instructions) and the appropriate Building Diagrams (at the end of Section I Instructions) to complete this section.</i>									
H1. Provide the he	ight of the top of the floor (as indicated in Foundation Type Diagrams) above the	Lowest Adjacent Grade (LAG):							
floor (include a	ng Diagrams 1A, 1B, 3, and 5–8. Top of bottom feet bove-grade floors only for buildings with r enclosure floors) is:] meters 🔲 above the LAG							
	ng Diagrams 2A, 2B, 4, and 6–9. Top of next feet feet e., the floor above basement, crawlspace, or ;) is:] meters 🔲 above the LAG							
	ry and Equipment servicing the building (as listed in Item H2 instructions) elevate wn in the Foundation Type Diagrams at end of Section H instructions) for the app No								
SECTIO	NI – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENT	TATIVE) CERTIFICATION							
 <i>A, B, and H are correct to the best of my knowledge.</i> Note: If the local floodplain management official completed Section H, they should indicate in Item G2.b and sign Section G. Check here if attachments are provided (including required photos) and describe each attachment in the Comments area. Property Owner or Owner's Authorized Representative Name: Address: 									
City:	State:	ZIP Code:							
Telephone:	Ext.: Email:								
Signature:	Date:								
Comments:									

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Form Instructions

ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11 BUILDING PHOTOGRAPHS

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:			FOR INSURANCE COMPANY USE	
1715 Gale Street City: Englewood	_ State: _	FL	ZIP Code: <u>34223</u>	Policy Number: Company NAIC Number:

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo One Caption: Front View 12/6/24

Clear Photo One



Form Instructions

ELEVATION CERTIFICATE

	UCTIONS ON INSTRUCTION PAGES 1-11 OTOGRAPHS tion Page	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or F 1715 Gale Street		CE COMPANY USE
	ZIP Code: 34223 Company NAIC	
Insert the third and fourth photographs below. Identify all photographs View," or "Left Side View." When flood openings are present, include vents, as indicated in Sections A8 and A9.		
<image/> <image/>	<image/> <image/>	
Photo Three Caption: Left Side View 12/6/24		Clear Photo Three

Photo Four

Photo Four Caption: Vent Detail 12/6/24

Clear Photo Four



ICC-ES Evaluation Report

ESR-4332 Reissued March 2020 Revised May 2021 This report is subject to renewal March 2022.

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

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[®] (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^{\mathbb{M}} 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.

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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.

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.

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

For SI: 1 inch = 25.4 mm

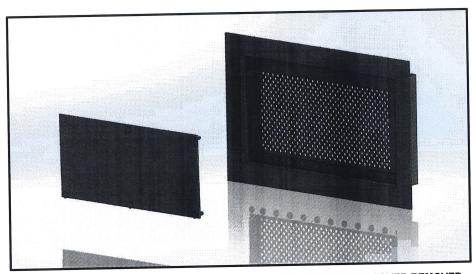
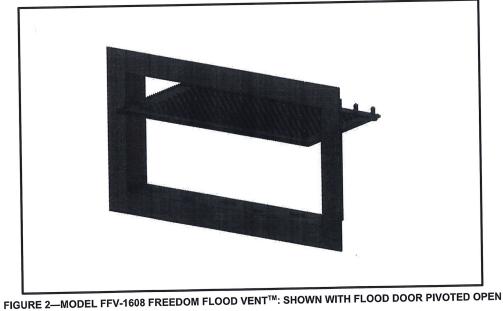


FIGURE 1—MODEL FFV-1608 FREEDOM FLOOD VENT™: SHOWN WITH COVER REMOVED





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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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.

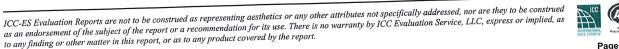
2.1.1 OSHPD: The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

DSA: The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement. 2.1.2

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.







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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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—Building Code—Building Code—Building Code—Building Code—Building Code* (IBC) meet the requirements of *Florida Building Code—Building* and the *Florida Building Code—Building and* the *Florida Building Code—Building* and the *Florida Building Code—Building* and the *Florida Building Code*.

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.

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