ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corresponding information fro	FOR INSURANCE COMPANY USE							
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.0 5428 Azure Way	Policy Number:							
City State Sarasota Florida	ZIP Code 34242	Company NAIC Number						
SECTION G - COMMUNITY INFO	RMATION (OPTIONAL)							
The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.								
G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)								
G2. A community official completed Section E for a building located i or Zone AO.	n Zone A (without a FEM.	A-issued or community-issued BFE)						
G3. The following information (Items G4–G10) is provided for commu	unity floodplain managem	ent purposes.						
G4. Permit Number G5. Date Permit Issued		Date Certificate of Compliance/Occupancy Issued						
G7. This permit has been issued for: New Construction Substitution	ostantial Improvement							
G8. Elevation of as-built lowest floor (including basement) of the building:	feet	meters Datum						
G9. BFE or (in Zone AO) depth of flooding at the building site:	feet	meters Datum						
G10. Community's design flood elevation:	feet	meters Datum						
Local Official's Name Tit	tle							
Community Name Te	elephone							
Signature Da	ate							
Comments (including type of equipment and location, per C2(e), if application	ole)							
		Check here if attachments.						

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						RANCE COMPANY USE	
A1. Building Owner's Name Scott & Amy Anders	Policy Num	ber:					
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Company NAIC Number:							
City			State		ZIP Code		
Sarasota	·····		Florida		34242		
A3. Property Description (Lot a Lot 231, Siesta Isles, Unit 6	and Block Numbers, Ta	x Parcel	Number, Leg	gal Description, etc	C.)		
A4. Building Use (e.g., Reside	ntial, Non-Residential,	Addition	, Accessory, e	etc.) Residentia	al .		
A5. Latitude/Longitude: Lat. 2	7.271870 N	Long. 8	2.553057 W	Horizontal	Datum: NAD 1	927 🔀 NAD 1983	
A6. Attach at least 2 photograp	ohs of the building if the	e Certific	ate is being u	sed to obtain floor	d insurance.		
A7. Building Diagram Number	1B						
A8. For a building with a crawle	space or enclosure(s):						
a) Square footage of craw	dspace or enclosure(s)			N/A sq ft			
b) Number of permanent fl	ood openings in the cr	awispac	e or enclosure	e(s) within 1.0 foot	above adjacent gra	ade N/A	
c) Total net area of flood of	penings in A8.b		N/A sq in				
d) Engineered flood openi	ngs? 🗌 Yes 🗵 N	10					
A9. For a building with an attac	hed garage:						
a) Square footage of attac	hed garage		964.00 sq ft				
b) Number of permanent fl	ood openings in the at	tached g	arage within	1.0 foot above adj	acent grade 5		
c) Total net area of flood o	penings in A9.b		1100.00 sq	in			
d) Engineered flood opening	ngs? ⊠ Yes □ N	10					
	ECTION B - FLOOD I	NOUDA	NCE DATE	MAD (CIDM) INC	ODMATION		
B1. NFIP Community Name &		INSURA	B2. County		ORMATION	B3. State	
Sarasota County 125144	Community Number		Sarasota	Name		Florida	
B4. Map/Panel B5. Suffix Number	B6. FIRM Index Date	Effe	RM Panel ective/ vised Date	B8. Flood Zone(s)	B9. Base Flood E (Zone AO, use	levation(s) e Base Flood Depth)	
12115C0143 F	11-04-2016	11-04-2		AE	9		
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:							
R12 Is the building located in a Coastel Partier Passaurose System (CRRS) area as Otherwise Protected Assa (CRAS) To Van Talva							
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes X No							
Designation Date: CBRS OPA							

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corresponding	FOR INSURANCE COMPANY USE							
Building Street Address (including Apt., Unit, Suite, and/o. 5428 Azure Way	Policy Number:							
City Sta Sarasota Flo	rida ZIP	Code 42	Company NAIC Number					
SECTION C – BUILDING EL	EVATION INFORMAT	TON (SURVEY RI	EQUIRED)					
C1. Building elevations are based on: Construction Drawings* Building Under Construction* X Finished Construction								
*A new Elevation Certificate will be required when o		•						
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: Sarasota County BM 107-H Vertical Datum: NGVD Converted to NAVD								
Indicate elevation datum used for the elevations in i								
☐ NGVD 1929 ☐ NAVD 1988 ☐ Other/		•••						
Datum used for building elevations must be the san		FE.	Observation of the second of t					
a) Top of bottom floor (including basement, crawls)	naca or analogura floor)		Check the measurement used. 10.6					
	pace, or enclosure moor,		N/A 🔀 feet 🦳 meters					
b) Top of the next higher floor	on 0.1.7 on on only)		N/A ☑ feet ☐ meters					
c) Bottom of the lowest horizontal structural memb	er (v Zones only)		7.0 feet meters					
d) Attached garage (top of slab)	nicina the building		710 M tost I motore					
e) Lowest elevation of machinery or equipment ser (Describe type of equipment and location in Cor	nments)		10.0 🛛 feet 🗌 meters					
f) Lowest adjacent (finished) grade next to building	g (LAG)		5.3 🔀 feet 🗌 meters					
g) Highest adjacent (finished) grade next to buildin	g (HAG)		6.7 🔀 feet 🗌 meters					
h) Lowest adjacent grade at lowest elevation of de structural support	ck or stairs, including		5.4 🔀 feet 🗌 meters					
SECTION D - SURVEYOR	, ENGINEER, OR ARC	CHITECT CERTIF	ICATION					
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	s my best efforts to inter	pret the data avails	y law to certify elevation information. able. I understand that any false					
Were latitude and longitude in Section A provided by a l			Check here if attachments.					
Certifier's Name James B. Burchett	License Number LS5701		BURGA					
Title			- STIFIC					
President			CERT TANK					
Company Name			No. 5701					
Sampey, Burchett and Knight, Inc.	4.1900		STATE OF					
Address 1570 Global Court			2-15-21					
City	State	ZIP Code	PO CORIDA 9					
Sarasota	Florida	34240	SURVEYOU					
Signature Ch. 1944	Date 02-15-2021	Telephone (941) 342-0349	Ext.					
Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.								
Comments (including type of equipment and location, per C2(e), if applicable)								
A9(c) 5 Flood FLAP vents MODEL #FFWF08 providing 220 sq. ft. of coverage per vent for a total of 1100 sq. ft. of coverage C2(e) A/C unit on the right side of residence.								

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ELEVATION CERTIFICATE

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. Policy Number: 5428 Azure Way ZIP Code Company NAIC Number City State Sarasota Florida 34242 SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE) For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters. E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG). a) Top of bottom floor (including basement. ☐ feet ☐ meters ☐ above or ☐ below the HAG. crawlspace, or enclosure) is b) Top of bottom floor (including basement, crawlspace, or enclosure) is feet meters above or below the LAG. E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1-2 of Instructions). the next higher floor (elevation C2.b in feet meters above or below the HAG. the diagrams) of the building is feet meters above or below the HAG. E3. Attached garage (top of slab) is E4. Top of platform of machinery and/or equipment servicing the building is feet meters above or below the HAG. E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge. Property Owner or Owner's Authorized Representative's Name State **ZIP Code** City Address Date Telephone Signature Comments 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, c	FOR INSURANCE COMPANY USE		
Building Street Address (including 5428 Azure Way	Policy Number:		
City	State	ZIP Code	Company NAIC Number
Sarasota	Florida	34242	

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 02/15/2021

Clear Photo One



Photo Two

Photo Two Caption Flood Vent 02/15/2021

Clear Photo Two

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2022

IMPORTANT: In these spaces, c	FOR INSURANCE COMPANY USE		
Building Street Address (including 5428 Azure Way	Policy Number:		
City	State	ZIP Code	Company NAIC Number
Sarasota	Florida	34242	

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 Rear and right side view 02/15/2021

Clear Photo Three



Photo Four

Photo Four Caption Left side view 02/15/2021

Clear Photo Four

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

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

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IMPORTANT: In these spaces, o	FOR INSURANCE COMPANY USE		
Building Street Address (including 5428 Azure Way	Policy Number:		
City	State	ZIP Code	Company NAIC Number
Sarasota	Florida	34242	

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 Flood Vents 02/15/2021

Clear Photo Three



Photo Four Caption Flood Vents 02/15/2021

Clear Photo Four



ICC-ES Evaluation Report

ESR-3560

Reissued September 2020

This report is subject to renewal September 2021.

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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:

FLOOD FLAPS®, LLC

EVALUATION SUBJECT:

FLOOD FLAPS® AUTOMATIC FLOOD VENTS: MODELS FFWF12; FFNF12; FFWF08; FFNF08; FFWF05; FFNF05

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2018, 2015, 2012 and 2009 International Building Code® (IBC)
- 2018, 2015, 2012 and 2009 International Residential Code® (IRC)

Properties evaluated:

- Physical operation
- Water flow
- Weathering

2.0 USES

Flood Flaps® automatic flood vents are used to provide for the equalization of hydrostatic flood forces on exterior walls. Certain models also allow natural ventilation.

3.0 DESCRIPTION

3.1 General:

Flood Flaps® automatic flood vents are engineered mechanically operated flood vents (FVs) that automatically allow flood waters to enter and exit enclosed areas. The FVs are constructed of ABS plastic which serves as the FV's housing, and a front grill that contains an anodized metal screen imbedded in polypropylene plastic. On contact with rising flood water, the grill will disengage from its secured position, allowing flood water and debris to flow through in either direction. The FVs are available in two series as described in Section 3.3.

The sealed series models contain two rubber flaps that close the FV to the passage of air when using with conditioned areas or sealed crawl spaces. In the same manner as the grill, the two rubber flaps are pushed open

by water pressure, allowing water and debris to flow through the FV in either direction. See Figure 1 for an illustration of the Flood Flaps® automatic FV.

3.2 Engineered Opening:

The Flood Flaps® automatic FVs comply with the 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 and 2009 IBC and IRC)] for a rate of rise and fall of 5 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24, Flood Flaps® automatic FVs must be installed in accordance with Section 4.0.

3.3 Flood Vent Series Models:

Flood Flaps® automatic FVs are available in two series with multiple models and sizes as described in Table 1. The sealed series models, designated FFWF, include two rubber flaps for the prevention of air flow. The multipurpose series, designated FFNF, omits the rubber flaps.

3.4 Natural Ventilation:

Flood Flaps® automatic FV models FFNF12, FFNF08, FFNF05, and FFNF02 have metal screens with 1/4 inch by 1/4 inch (6 mm by 6 mm) openings and provide 37 square inches (0.02 m2) of net free opening to supply natural ventilation for under-floor ventilation. Flood Flaps® automatic FV models FFWF12, FFWF08, and FFWF05 have not been evaluated for use as openings for under-floor ventilation.

4.0 DESIGN AND INSTALLATION

Flood Flaps® automatic FVs are designed to be installed into walls of existing or new construction. Installation of the FVs must be in accordance with the manufacturer's instructions, the applicable code and this report. Flood Flaps® automatic FVs can be installed in wood, masonry and concrete walls up to a thickness of 12 inches (305 mm). 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 and 2009 IBC and IRC)], the Flood Flaps® 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 220 square feet (20 m²) of enclosed area.



- Below the base flood elevation.
- With the bottom of the FV located a maximum of 12 inches (305 mm) above grade.

5.0 CONDITIONS OF USE

The Flood Flaps® automatic flood vents 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 Flood Flaps® automatic 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 Flood Flaps® automatic FVs 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.

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 Flood Flaps® models recognized in this report are identified by a label bearing the manufacturer's name, the model number, and the evaluation report number (ESR-3560).
- **7.2** The report holder's contact information is the following:

FLOOD FLAPS®, LLC
POST OFFICE BOX 1003
ISLE OF PALMS, SOUTH CAROLINA 29451
(843) 881-0190
www.floodflaps.com
info@floodflaps.com

TABLE 1—FLOOD FLAP AUTOMATIC FLOOD VENT MODEL SIZES

MODEL NUMBER	MODEL DESIGNATION	ROUGH OPENING (Width X Height) (inches)	VENT SIZE (W X H X D) (inches)	ENCLOSED AREA COVERAGE (ft²)	NET FREE AREA OPENING¹ (in²)
FFWF12	Sealed Series	16 x 8	15 ⁵ / ₈ X 7 ³ / ₄ X 12	220	NA
FFNF12	Multi-Purpose	16 x 8	15 ⁵ / ₈ X 7 ³ / ₄ X 12	220	37
FFWF08	Sealed Series	16 x 8	15 ⁵ / ₈ x 7 ³ / ₄ x 8	220	NA
FFNF08	Multi-Purpose	16 x 8	15 ⁵ / ₈ x 7 ³ / ₄ x 8	220	37
FFWF05	Sealed Series	16 x 8	15 ⁵ / ₈ x 7 ³ / ₄ x 5	220	NA
FFNF05	Multi-Purpose	16 x 8	15 ⁵ / ₈ x 7 ³ / ₄ x 5	220	37

For SI: 1 inch = 25.4 mm; 1 f^2 = 0.093 m^2

¹For under-floor ventilation only.

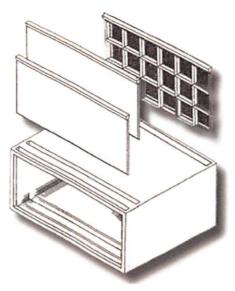


FIGURE 1—FLOOD FLAPS® AUTOMATIC FLOOD VENT

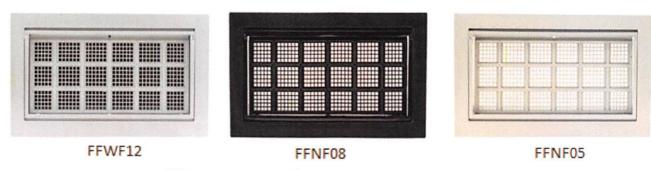


FIGURE 2—FLOOD FLAPS® AUTOMATIC FLOOD VENT SERIES MODELS



FIGURE 3—FLOOD FLAPS® AUTOMATIC FLOOD VENTS MULTIPLE DEPTH OFFERINGS



ICC-ES Evaluation Report

ESR-3560 CBC and CRC Supplement

Issued September 2020

This report is subject to renewal September 2021.

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A Subsidiary of the International Code Council®

DIVISION: 08 00 88—OPENINGS

Section: 08 95 43-Vents/Foundation Flood Vents

REPORT HOLDER:

FLOOD FLAPS®, LLC

EVALUATION SUBJECT:

FLOOD FLAPS® AUTOMATIC FLOOD VENTS: MODELS FFWF12; FFNF12; FFWF08; FFNF08; FFWF05; FFNF05

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Flood Flaps® automatic flood vents, described in ICC-ES evaluation report ESR-3560, has also been evaluated for compliance with the code(s) noted below.

Applicable code edition(s):

- 2019 California Building Code (CBC)
- 2019 California Residential Code (CRC)

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.

2.0 CONCLUSIONS

2.1 CBC:

The Flood Flaps® automatic flood vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-3560, comply 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 of the CBC are beyond the scope of this supplement.
- 2.1.2 DSA: The applicable DSA Sections of the CBC are beyond the scope of this supplement.

2.2 CRC:

The Flood Flaps® automatic flood vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-3560, comply with 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 September 2020.





ICC-ES Evaluation Report

ESR-3560 FBC Supplement

Reissued September 2020

This report is subject to renewal September 2021.

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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:

FLOOD FLAPS®, LLC

EVALUATION SUBJECT:

FLOOD FLAPS® AUTOMATIC FLOOD VENTS: MODELS FFWF12; FFNF12; FFWF08; FFNF08; FFWF05; FFNF05

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Flood Flaps® automatic flood vents, described in ICC-ES evaluation report ESR-3560, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2017 Florida Building Code—Building
- 2017 Florida Building Code—Residential

2.0 CONCLUSIONS

The Flood Flaps flood vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-3560, comply with the Florida Building Code—Building and the Florida Building Code—Residential, provided the design and installation are in accordance with the 2015 International Building Code® provisions noted in the evaluation report.

Use of the Flood Flaps flood vents has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the Florida Building Code—Building and the Florida Building Code—Residential.

For products falling under Florida Rule 9N-3, verification that the report holder's quality-assurance program is audited by a quality-assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official, when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, reissued September 2020.

