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

OMB Control No. 1660-0008 Expiration Date: 06/30/2026

ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

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
	TOK MOSITATION COMMITTEE C
A1. Building Owner's Name: Landmark 24 Homes	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 150 Champlain Drive	Company NAIC Number:
City: Pooler State: GA	ZIP Code: 31322
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Nur Lot 1005, Forest Lakes, Phase 10, 8th G.M. District, City of Pooler, Chatham Count	nber: y, Georgia, PIN: 51014C11005
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.):	
A5. Latitude/Longitude: Lat. 32.146392 Long81.275650 Horizontal Datum: N	IAD 1927 ⊠NAD 1983 ☐ WGS 84
A6. Attach at least two and when possible four clear photographs (one for each side) of the building	
A7. Building Diagram Number: ^{1B}	
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s): N/A sq. ft.	
b) Is there at least one permanent flood opening on two different sides of each enclosed area?	Yes No NA
c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot Non-engineered flood openings: N/A Engineered flood openings: N/A	
d) Total net open area of non-engineered flood openings in A8.c: $^{\mathrm{N/A}}$ sq. in.	
e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instruction	ons): N/A 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: ⁵⁸⁸ sq. ft.	
b) Is there at least one permanent flood opening on two different sides of the attached garage?	P⊠Yes □ No □ N/A
c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent Non-engineered flood openings: N/A Engineered flood openings: 4	
d) Total net open area of non-engineered flood openings in A9.c: N/A sq. in.	
e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instruction	ons): 880 sq. ft.
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): N/A sq. ft.	
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFO	RMATION
B1.a. NFIP Community Name: City of Pooler B1.b. NFIP Community Ide	ntification Number: 130261
B2. County Name: Chatham County B3. State: GA B4. Map/Panel No.:	
B6. FIRM Index Date: 08/16/2024 B7. FIRM Panel Effective/Revised Date: 07/07/	
B8. Flood Zone(s): AE B9. Base Flood Elevation(s) (BFE) (Zone AO, use I	
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 Prot Designation Date:	ected Area (OPA)?
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)?	No

Building Street Address (including Apt., Unit, Suite, a	nd/or Bldg. No.) or P.O. Route and Bo	x No.:	FOR INS	URANCE	COMPANY USE
City: Pooler	State:GA	ZIP Code: 3132	2	Policy Nur Company	nber: NAIC Nun	nber:
SECTION C - BUILDIN	NG ELEVATI	ON INFORMATION	(SURVEY R	EQUIRE	D)	
C1. Building elevations are based on: Constraint A new Elevation Certificate will be required w	uction Drawing hen construction	gs*	der Construction	n* ⊠ Fi	nished Co	nstruction
C2. Elevations – Zones A1–A30, AE, AH, AO, A (v A99. Complete Items C2.a–h below according Benchmark Utilized: Local	with BFE), VE, to the Building	V1–V30, V (with BFE) Diagram specified in Vertical Datum: N2	Item A7. In Pu	R/AE, AR/ erto Rico	A1–A30, A only, ente	AR/AH, AR/AO, r meters.
Indicate elevation datum used for the elevations in ☐ NGVD 1929 🔀 NAVD 1988 ☐ Other:	items a) throug					
Datum used for building elevations must be the sar If Yes, describe the source of the conversion factor	me as that use in the Section	d for the BFE. Conver D Comments area.	sion factor use			No
a) Top of bottom floor (including basement, cr	awlspace, or e	nclosure floor):	22.1	X	feet	easurement used meters
b) Top of the next higher floor (see Instruction	s):		32.6	X	feet [meters
c) Bottom of the lowest horizontal structural m	nember (see In:	structions):	N/A	_ 0	feet [meters
d) Attached garage (top of slab):			20.4	×	feet [meters
 e) Lowest elevation of Machinery and Equipm (describe type of M&E and location in Section) 	ent (M&E) sen on D Commen	vicing the building ts area):	22.0	×	feet _	meters
f) Lowest Adjacent Grade (LAG) next to build	ing: 🔲 Natui	ral X Finished	19.9	×	feet 🔲	meters
g) Highest Adjacent Grade (HAG) next to build	ding: 🗌 Natu	ral X Finished	20.0	×	feet 🔲	meters
 h) Finished LAG at lowest elevation of attaches support: 	ed deck or stair	s, including structural	N/A		feet 🔲	meters
SECTION D - SURVE	YOR, ENGI	NEER, OR ARCHIT	ECT CERTIF	ICATION	STORY.	和 有 原 化 用
This certification is to be signed and sealed by a lai information. I certify that the information on this Certification in the statement may be punishable by fine or imprise	rtificate represe	ents my best efforts to	interpret the d	ate law to ata availa	certify ele ble. I unde	vation erstand that any
Were latitude and longitude in Section A provided b	y a licensed la	and surveyor? X Ye	es 🗌 No			
X Check here if attachments and describe in the C	omments area					
Certifier's Name: Don E. Taylor	Lice	ense Number: 3417				
Title: Professional Land Surveyor					EO	RG
Company Name: Coleman Company, Inc.				1	GEGIS	TERES
Address: 1480 Chatham Parkway, Suite	100				100	003417
City: Savannah	State: C		31405		anos	م اعنه
Signature:			-05-2023	- 0	MAR	- Company
Telephone: 912-200-3041 Ext		TLOR@CCI-SAV.CO			Place S	1
Copy all pages of this Elevation Certificate and all atta	achments for (1) community official, (2) insurance age	ent/compa	ny, and (3)	building owner.
Comments (including source of conversion factor in	C2; type of ed	quipment and location	per C2.e; and	description	n of any a	ttachments):
A3: Plat book 53, page 797. A9: Garage is vented by 3 Flood Flaps Mode B9: A 1'(one foot) free board is required C2: Benchmark utilized was established usi C2a: Elevation is top of finished floor fo C2e: Lowest elevation of machinery servici	by the City ng "EGPS" GP r living spa	of Pooler Flood Da S base station net ce.	mage Prevent work. Elevat	ion Ordi ions sho	nance. wn are N	

Building Street Address (including Apt.,	Unit, Suite, and/or Bldg. No.)	or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
150 Champlain Drive			Policy Number:
City: Pooler	State: GA	ZIP Code: 31322	Company NAIC Number:
SECTION E - BI FOR	JILDING MEASUREMEN R ZONE AO, ZONE AR/A	IT INFORMATION (SURVE O, AND ZONE A (WITHOU	Y NOT REQUIRED) IT BFE)
For Zones AO, AR/AO, and A (without intended to support a Letter of Map Chenter meters.	BFE), complete Items E1–E nange request, complete Se	E5. For Items E1–E4, use natur ctions A, B, and C. Check the r	ral grade, if available. If the Certificate is measurement used. In Puerto Rico only,
Building measurements are based on: *A new Elevation Certificate will be red		s* Building Under Construction Building is complete.	ction* Finished Construction
E1. Provide measurements (C.2.a in a measurement is above or below to	applicable Building Diagram ne natural HAG and the LAG) for the following and check the G.	e appropriate boxes to show whether the
 a) Top of bottom floor (including crawlspace, or enclosure) is: 	pasement,	feet	ers
 b) Top of bottom floor (including learning) crawlspace, or enclosure) is: 	pasement,		ers above or below the LAG.
E2. For Building Diagrams 6–9 with p next higher floor (C2.b in applicab Building Diagram) of the building	le	ovided in Section A Items 8 and	d/or 9 (see pages 1–2 of Instructions), the
E3. Attached garage (top of slab) is:		feet mete	
E4. Top of platform of machinery and	or equipment		
servicing the building is:		feet _ mete	ers above or below the HAG.
E5. Zone AO only: If no flood depth no floodplain management ordinance		o of the bottom floor elevated in Unknown The local official	n accordance with the community's must certify this information in Section G.
SECTION F - PROPERT	Y OWNER (OR OWNER	S AUTHORIZED REPRESI	ENTATIVE) CERTIFICATION
The property owner or owner's authorisign here. The statements in Sections	zed representative who com A, B, and E are correct to the	npletes Sections A, B, and E for ne best of my knowledge	r Zone A (without BFE) or Zone AO must
Check here if attachments and des	scribe in the Comments area	1.	
Property Owner or Owner's Authorized	Representative Name:		
Address:			
City:		State:	ZIP Code:
Signature:		Date:	10. T. Jan
Telephone:	Ext.: Email:		
Comments:			ELIKY Y
	7,011		

150 Champlain Drive	uite, and/or Bldg. No.) or P.O. Route and	Rox No::	FOR INSURANCE COMPANY USE		
City: Pooler	State: GA ZIP Code: 31	322	Policy Number:		
SECTION G - COMMUNITY INFO	DRMATION (RECOMMENDED FOR	R COMMUNI	TY OFFICIAL COMPLETION)		
The local official who is authorized by law or Section A, B, C, E, G, or H of this Elevation C	ordinance to administer the community' Certificate. Complete the applicable item	s floodplain m n(s) and sign b	anagement ordinance can complete elow when:		
G1. The information in Section C was engineer, or architect who is auth elevation data in the Comments a	taken from other documentation that had orized by state law to certify elevation in the properties of	as been signe nformation. (In	d and sealed by a licensed surveyor, dicate the source and date of the		
G2.a. A local official completed Section E5 is completed for a building local	E for a building located in Zone A (with ated in Zone AO.	out a BFE), Zo	one AO, or Zone AR/AO, or when item		
G2.b. A local official completed Section	H for insurance purposes.				
G3.	G, the local official describes specific c	orrections to t	he information in Sections A, B, E and H.		
G4.	G5-G11) is provided for community floo	dplain manag	ement purposes.		
G5. Permit Number:	G6. Date Permit Issued:				
G7. Date Certificate of Compliance/Occup	pancy Issued:				
G8. This permit has been issued for:	New Construction Substantial Imp	rovement			
G9.a. Elevation of as-built lowest floor (inclubuilding:	uding basement) of the		meters Datum:		
G9.b. Elevation of bottom of as-built lowest member:	horizontal structural	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 d requirement for the lowest floor or low member:		∏ feet	□ motoro - Detum		
G11. Variance issued? Yes No	If you attach decumentation and dec		meters Datum:		
	If yes, attach documentation and des				
The local official who provides information in correct to the best of my knowledge. If application	able, I have also provided specific come	ections in the (Comments area of this section.		
Local Official's Name: Nicole John NFIP Community Name:	n of Poster Title:	Director	of Planning 4 Development		
01. 0.50 0	300 Email: Nohnsone	norley - 0	10-90V		
Address: 100 Sw Hug 8			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
City: Pobler		State: 6	ZIP Code: 31322		
Signature: Mich Orfin	Date:	11/7/2	4		
Comments (including type of equipment and l Sections A, B, D, E, or H):	location, per C2.e; description of any at	tachments; ar	nd corrections to specific information in		

Building Street Address (includ	ing Apt., Unit, Suite,	and/or Bldg. No.) or P.C). Route and Box No.:	FOR INS	URANCE COMPANY USE
150 Champlain Drive			21200	Policy Nur	nber:
City: Pooler		State: GA ZIF	P Code: 31322	Company	NAIC Number:
SECTIO			EIGHT INFORMATION		ONES
The property owner, owner's a to determine the building's firs nearest tenth of a foot (neares Instructions) and the approp	t floor height for ins at tenth of a meter in	surance purposes. Sect n Puerto Rico). <i>Referer</i>	ions A, B, and I must also nce the Foundation Typ	o be completed e <i>Diagrams (a</i>	I. Enter heights to the of the end of Section H
H1. Provide the height of the	top of the floor (as i	indicated in Foundation	Type Diagrams) above t	he Lowest Adj	acent Grade (LAG):
 a) For Building Diagran floor (include above-grade subgrade crawlspaces or 	e floors only for buil	ldings with	feet	meters	above the LAG
 b) For Building Diagran higher floor (i.e., the floor enclosure floor) is: 	ns 2A, 2B, 4, and 6 above basement, c	5–9. Top of next crawlspace, or	feet	meters	above the LAG
H2. Is all Machinery and Equi H2 arrow (shown in the F	ipment servicing the oundation Type Dia	e building (as listed in la agrams at end of Sectio	tem H2 instructions) elev in H instructions) for the a	ated to or abov appropriate Bui	re the floor indicated by the ilding Diagram?
SECTION I - PRO	PERTY OWNER	R (OR OWNER'S AU	THORIZED REPRESE	NTATIVE) C	ERTIFICATION
	s authorized represe	entative wild completes		~	In Co. II the state of
A, B, and H are correct to the indicate in Item G2.b and sign Check here if attachments Property Owner or Owner's At	best of my knowled Section G. are provided (included)	dge. Note: If the local flo	oodplain management of	ficial completed	d Section H, they should
indicate in Item G2.b and sign Check here if attachments Property Owner or Owner's Au	best of my knowled Section G. are provided (included) athorized Represen	dge. Note: If the local flo	oodplain management of	ficial completed	d Section H, they should
indicate in Item G2.b and sign Check here if attachments Property Owner or Owner's At Address:	best of my knowled Section G. are provided (inclu- uthorized Represen	dge. Note: If the local floding required photos) and stative Name:	oodplain management of	ment in the Co	d Section H, they should mments area.
indicate in Item G2.b and sign Check here if attachments Property Owner or Owner's Att Address: City:	best of my knowled Section G. are provided (inclu- uthorized Represen	dge. Note : If the local flooding required photos) and stative Name:	oodplain management of and describe each attach	ment in the Co	d Section H, they should mments area.
indicate in Item G2.b and sign Check here if attachments Property Owner or Owner's Att Address: City:	best of my knowled Section G. are provided (inclu- uthorized Represen	dge. Note : If the local flooding required photos) and stative Name:	oodplain management of	ment in the Co	d Section H, they should mments area.
indicate in Item G2.b and sign Check here if attachments Property Owner or Owner's Att Address: City: Signature:	best of my knowled Section G. are provided (inclu- uthorized Represen	dge. Note : If the local flooding required photos) antative Name:	oodplain management of and describe each attach	ment in the Co	d Section H, they should mments area.
indicate in Item G2.b and sign Check here if attachments Property Owner or Owner's Att Address: City: Signature: Telephone:	best of my knowled Section G. are provided (inclu- uthorized Represen	dge. Note : If the local flooding required photos) antative Name:	oodplain management of and describe each attach	ment in the Co	d Section H, they should mments area.

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

Building Street Address (including 150 Champlain Drive	Apt., Unit, Suite, and/or Bldg. No.	or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
City: Pooler	State: GA	ZIP Code: 31322	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

Photo One Caption: Front View

11-05-2023

Clear Photo One



Photo Two

Photo Two Caption:

Rear View

11-05-2023

Clear Photo Two

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

BUILDING PHOTOGRAPHS

Continuation Page

	ing Street Address (including Ap	t., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
	Champlain Drive		21200	Policy Number:
City:	Pooler	State: GA	ZIP Code: 31322	Company NAIC Number:

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." 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 Three

Photo Three Caption: Left View

11-05-2023

Clear Photo Three



Photo Four

Photo Four Caption: Right View

11-05-2023

Clear Photo Four

ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19 **BUILDING PHOTOGRAPHS**

Continuation Page

	Street Address (including Apt.	, Unit, Suite, and/or Bldg. No.)	or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
	Champlain Drive	State: GA	ZIP Code: 31322	Policy Number:
Oity.		Otate.		Company NAIC Number:

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." 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 Three

Photo Three Caption: Vent

11-05-2024

Clear Photo Three



Photo Four

Photo Four Caption: Vent

11-05-2024

Clear Photo Four



ICC-ES Evaluation Report

ESR-3560

Reissued September 2023

This report also contains:

- CBC Supplement

- FBC Supplement

Subject to renewal September 2024

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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:

- ■2021, 2018, 2015, 2012 and 2009 International Building Code® (IBC)
- 2021, 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 (2021, 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 <u>Table 1</u>. The sealed series models, designated FFWF, include two rubber flaps for the prevention of air flow. The multi-purpose 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 (2021, 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 squarefeet (20 m²) of enclosed area.
- Below the base flood elevation.
- With the bottom of the FV located a maximum of12 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 April 2021).

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-3560) along with the name, registered trademark, or registered logo of the report holder (Flood Flaps®) must be included in the product label.
- 7.2 In addition, the Flood Flaps® models described in this report are identified by a label bearing the model number.
- 7.3 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 Helght) (inches)	VENT SIZE (W X H X D) (inches)	ENCLOSED AREA COVERAGE ² (ft ²)	NET FREE AREA OPENING ¹ (in ²)
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.
²The enclosed coverage area in square feet for each model is equivalent to the performance of the same number of square inches of non-engineered openings.

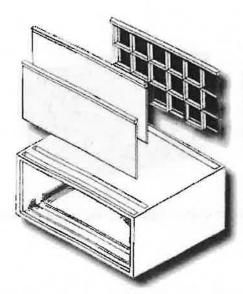


FIGURE 1-FLOOD FLAPS® AUTOMATIC FLOOD VENT

12" DEPTH

5[™] DEPTH





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

8" DEPTH



ICC-ES Evaluation Report

ESR-3560 CBC and CRC Supplement

Reissued September 2023

This report is subject to renewal September 2024.

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:

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 editions:

- 2022 California Building Code (CBC)
- 2022 California Residential Code (CRC)

For evaluation of applicable Chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the 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 2021 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.

The Flood Flaps® automatic flood vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-3560, comply with 2021 CRC, provided the design and installation are in accordance with the 2021 International Residential Code® (IRC) provisions noted in the evaluation report.

This supplement expires concurrently with the evaluation report, reissued September 2023.



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ICC-ES Evaluation Report

ESR-3560 FBC Supplement

Reissued September 2023 This report is subject to renewal September 2024.

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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:

- 2023 and 2020 Florida Building Code—Building
- 2023 and 2020 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 requirements are determined in accordance with the Florida Building Code—Building or the Florida Building Code—Residential, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-3530 for the 2021 and 2018 International Building Code® meet the requirements of the Florida Building Code—Building or the Florida Building Code—Residential, as applicable.

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 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 September 2023.

