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: Landmark 24 Homes	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 143 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 1030, Forest Lakes, Phase 10, 8th G.M. District, City of Pooler, Chatham County, Ger	mber: orgia, PIN: 51014C12004
A4 Building Use (e.g. Residential, Non-Residential, Addition, Accessory, etc.): Residential	
A5 Latitude/Longitude: Lat. 32.084666 Long81.163068 Horiz. Datum:	NAD 1927 X NAD 1983 WGS 84
A6. Attach at least two and when possible four clear color photographs (one for each side) of the b	uilding (see Form pages 7 and 8).
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 N/A
 c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 food Non-engineered flood openings: N/A Engineered flood openings: N/A 	t above adjacent grade:
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 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: 461 sq. ft.	a Say Car Caya
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 ad Non-engineered flood openings:N/A Engineered flood openings: 	acent grade: 3_
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 Instruct	ions):660 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	
B1.a. NFIP Community Name: City of Pooler B1.b. NFIP Cor	nmunity Identification Number: 130261
B2. County Name: Chatham County B3. State: GA B4. Map/Panel No.:	13051C0019 B5. Suffix: H
B6. FIRM Index Date: 08/16/2018 B7. FIRM Panel Effective/Revised Date: 07/07/2	
B8. Flood Zone(s): AE B9. Base Flood Elevation(s) (BFE) (Zone AO, use	Base Flood Depth): 20.0'
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 ☐ Othe	er/Source:
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Pro Designation Date:	otected Area (OPA)? ☐ Yes ☒ No
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? Yes] No

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:	FOR	INSURANCE COMPANY USE
143 Champlain Drive	Polic	y Number:
City: Pooler State: GA ZIP Code: 31322	Com	pany NAIC Number:
SECTION C - BUILDING ELEVATION INFORMATION (SURV	EY REQL	JIRED)
C1. Building elevations are based on: Construction Drawings* Building Under Const *A new Elevation Certificate will be required when construction of the building is complete.	truction*	
C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. Benchmark Utilized: Local Vertical Datum: NAVD 88		
Indicate elevation datum used for the elevations in items a) through h) below. ☐ NGVD 1929 ☑ NAVD 1988 ☐ Other:		
Datum used for building elevations must be the same as that used for the BFE. Conversion factor If Yes, describe the source of the conversion factor in the Section D Comments area.	or used?	☐ Yes ☒ No Check the measurement used
a) Top of bottom floor (including basement, crawlspace, or enclosure floor):	21.7	feet meters
b) Top of the next higher floor (see Instructions):	32.3	
c) Bottom of the lowest horizontal structural member (see Instructions):	N/A	feet meters
d) Attached garage (top of slab):	19.9	
 e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area): 	21.7	
f) Lowest Adjacent Grade (LAG) next to building: Natural X Finished	18.4	
g) Highest Adjacent Grade (HAG) next to building: Natural X Finished	19.5	
h) Finished LAG at lowest elevation of attached deck or stairs, including structural support:	N/A	feet meters
SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CE	RTIFICA	TION
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized information. I certify that the information on this Certificate represents my best efforts to interpret false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.	by state la	w to certify elevation vailable. I understand that any
Were latitude and longitude in Section A provided by a licensed land surveyor? ☐ Yes ☐ No.		
☑ Check here if attachments and describe in the Comments area.		
Certifier's Name: Juan C. Buleje License Number: 3467		
Title: Professional Land Surveyor		GEORGIA
Company Name: Coleman Company, Inc.		/ January /
Address: 1480 Chatham Parkway, Suite 100		No. 3467 PROFESSIONAL ★
City: Savannah State: GA ZIP Code: 31405		\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Telephone: (912) 200-3041 Ext.: Email: jbuleje@colemancompanyinc.cor	m	AV C. BULEIK
Signature: Date: 06/26/2025		Place Seal Here
Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance	ce agent/co	ompany, and (3) building owner
Comments (including source of conversion factor in C2; type of equipment and location per C2.e A3: Book 53 Page 797,	; and desc	ription of any attachments):
B9: A 1'(one foot) free board is required by the City of Pooler Flood Damage Prevention C2: Benchmark utilized was established using "EGPS" GPS base station network. Elev C2e: Lowest elevation of machinery and equipment servicing the building is the top of t D: Attached is flood vent evaluation report. Vent model number is FFNF05 with a vent service.	ations sh	own are NAVD 88. compressor pad.

For Zones AO, AR/AO, and A (with intended to support a Letter of Map enter meters. Building measurements are based at A new Elevation Certificate will be	BUILDING MEASURE FOR ZONE AO, ZONE A lout BFE), complete Items o Change request, complete	AR/AO	, AND ZONE A . For Items E1-E4	N (SURVEY (WITHOUT	BFE) grade, if available. If the Certif	
For Zones AO, AR/AO, and A (with intended to support a Letter of Map enter meters. Building measurements are based at A new Elevation Certificate will be	out BFE), complete Items Change request, complete	AR/AO	, AND ZONE A . For Items E1-E4	(WITHOUT 4, use natural	BFE) grade, if available. If the Certif	
intended to support a Letter of Map enter meters. Building measurements are based of *A new Elevation Certificate will be	Change request, complete	E1-E5 te Secti	. For Items E1–E4 ons A, B, and C.	4, use natural Check the me	grade, if available. If the Certif	Santa in
*A new Elevation Certificate will be	on: Construction Dra			,	asurement used, in Puerto Ric	co only,
	required when construction	awings* on of the	Building Und	ler Constructio	on* Finished Construction	1
E1. Provide measurements (C.2.a measurement is above or below	in applicable Building Dia w the natural HAG and the	gram) f e LAG.	or the following ar	nd check the a	appropriate boxes to show whe	ther the
 a) Top of bottom floor (includir crawlspace, or enclosure) is 			feet	meters	above or below th	ne HAG.
 b) Top of bottom floor (includir crawlspace, or enclosure) is 			[feet	meters	above or below the	ne LAG.
E2. For Building Diagrams 6–9 with next higher floor (C2.b in applic Building Diagram) of the building	cable	gs provi	ded in Section A	Items 8 and/o	r 9 (see pages 1–2 of Instructi	
E3. Attached garage (top of slab) is	_		leet	meters	above or below the	
E4. Top of platform of machinery a servicing the building is:	nd/or equipment			meters	above or below the	ne HAG.
E5. Zone AO only: If no flood depth floodplain management ordinar					ccordance with the community ust certify this information in Se	
SECTION F - PROPEI	RTY OWNER (OR OW	NER'S	AUTHORIZED	REPRESEN	TATIVE) CERTIFICATION	
The property owner or owner's auth sign here. <i>The statements in Section</i> Check here if attachments and o	ns A, B, and E are correct	t to the	etes Sections A, E best of my knowle	3, and E for Z adge	one A (without BFE) or Zone A	NO must
Property Owner or Owner's Authoriz						
Address:						
City:				State:	ZIP Code:	
Felephone:	Ext.: Email: _			Otate.	ZIF Code.	
Signature:			Date:			
Comments:						-
50111.011.0.						

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.)	or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
143 Champlain Drive		Policy Number:
City: Pooler State: GA	ZIP Code: 31322	Company NAIC Number:
SECTION G - COMMUNITY INFORMATION (RECOI	MMENDED FOR COMMUNIT	TY OFFICIAL COMPLETION)
The local official who is authorized by law or ordinance to administr Section A, B, C, E, G, or H of this Elevation Certificate. Complete the	er the community's floodplain ma	anagement ordinance can complete
G1. The information in Section C was taken from other doct engineer, or architect who is authorized by state law to elevation data in the Comments area below.)	umentation that has been signed certify elevation information. (Inc	and sealed by a licensed surveyor, dicate the source and date of the
G2.a. A local official completed Section E for a building located E5 is completed for a building located in Zone AO.	ed in Zone A (without a BFE), Zo	ne AO, or Zone AR/AO, or when item
G2.b.		
G3. In the Comments area of Section G, the local official de	escribes specific corrections to the	e information in Sections A, B, E and H.
G4.	or community floodplain manage	ement purposes.
G5. Permit Number: G6. Date P	Permit Issued:	
G7. Date Certificate of Compliance/Occupancy Issued:		
G8. This permit has been issued for: New Construction	Substantial Improvement	
G9.a. Elevation of as-built lowest floor (including basement) of the building:	e [] 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 structumember:	ral	meters Datum:
G11. Variance issued? Yes No If yes, attach docum	nentation and describe in the Co	mments area.
The local official who provides information in Section G must sign to correct to the best of my knowledge. If applicable, I have also provides	nere. I have completed the informided specific corrections in the C	nation in Section G and certify that it is comments area of this section.
Local Official's Name: Nicole Johnson, AICP, CF	m Title: Diractor	of Planning & Development
NFIP Community Name: City of Pooler		
Telephone: 913-748-736 Ext.: 366 Email: Nic	hnson pooler-ga.	gov
Address: 00 Sw Hug 80	n. CM	710 Ondo: 212 12
City: Pooler	State: 6 P	ZIP Code: 31322
Signature: Much Johns	Date: 627	9 2
Comments (including type of equipment and location, per C2.e; de Sections A, B, D, E, or H):	scription of any attachments; an	d corrections to specific information in

The property owner, owner's author to determine the building's first floor nearest tenth of a foot (nearest tenth instructions) and the appropriate	State: - BUILDING'S FIRST RVEY NOT REQUIRE		de: <u>31322</u>	Policy Nur	
SECTION H (SU) The property owner, owner's author to determine the building's first floor nearest tenth of a foot (nearest tenth of structions) and the appropriate	- BUILDING'S FIRST RVEY NOT REQUIRE		de. <u>31322</u>	Company	
The property owner, owner's author to determine the building's first floor nearest tenth of a foot (nearest tenth instructions) and the appropriate	RVEY NOT REQUIRE	EL COD LIEIO		Company	NAIC Number:
The property owner, owner's author o determine the building's first floor nearest tenth of a foot (nearest tenth of a foot (nearest tenth of a foot (nearest tenth of a foot).					ONES
o determine the building's first floor nearest tenth of a foot (nearest tent nstructions) and the appropriate	ized representative, or lo	cal floodplain ma	anagement official	may complete S	ection H for all flood zon
11. Provide the height of the top of	height for insurance pur h of a meter in Puerto Ric	poses. Sections co). Reference t	A, B, and I must al the Foundation Ty	so be completed pe Diagrams (a	I. Enter heights to the at the end of Section H
the state and margine or the top of	the floor (as indicated in	Foundation Typ	e Diagrams) above	the Lowest Adj	acent Grade (LAG):
a) For Building Diagrams 1A floor (include above-grade floor crawlspaces or enclosure floor.	s only for buildings with	bottom	feet	meters	above the LAG
b) For Building Diagrams 2A higher floor (i.e., the floor above enclosure floor) is:			feet	meters	above the LAG
H2. Is all Machinery and Equipmer H2 arrow (shown in the Founda Yes No	nt servicing the building (a ation Type Diagrams at e	as listed in Item I nd of Section H i	H2 instructions) ele	vated to or abov appropriate Bui	re the floor indicated by t lding Diagram?
A, B, and H are correct to the best on the best of the best of the sign Section of the	orized representative who of my knowledge. Note: It on G. rovided (including require	o completes Sec f the local floodp ed photos) and d	tions A, B, and H r lain management c	nust sign here. fficial completed	The statements in Section I Section H, they should
The property owner or owner's auth A, B, and H are correct to the best on dicate in Item G2.b and sign Section Check here if attachments are peroperty Owner or Owner's Authorizations.	orized representative who of my knowledge. Note: It on G. rovided (including require	o completes Sec f the local floodp ed photos) and d	tions A, B, and H r lain management c	nust sign here. fficial completed	The statements in Section I Section H, they should
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The property owner or owner's auth A, B, and H are correct to the best of indicate in Item G2.b and sign Section Check here if attachments are peroperty Owner or Owner's Authorizaddress: City: Celephone:	orized representative wh of my knowledge. Note: It on G. rovided (including require ced Representative Name	o completes Sec f the local floodp ed photos) and d e:	tions A, B, and H r lain management of escribe each attack State:	nust sign here. The fficial completed in the Continuent in the Con	The statements in Section of Section H, they should mments area.
The property owner or owner's auth A, B, and H are correct to the best of indicate in Item G2.b and sign Section Check here if attachments are peroperty Owner or Owner's Authorizatives: City: Gelephone: Comments:	orized representative who find knowledge. Note: It on G. rovided (including require sed Representative Name) Ext.: Email:	o completes Sec f the local floodp ed photos) and d e:	tions A, B, and H r lain management of escribe each attack State:	nust sign here. The fficial completed in the Control of the Contro	The statements in Section of Section H, they should mments area.
The property owner or owner's auth A, B, and H are correct to the best on indicate in Item G2.b and sign Section Check here if attachments are property Owner or Owner's Authorizative: City: Celephone: Comments:	orized representative wh of my knowledge. Note: It on G. rovided (including require ced Representative Name	o completes Sec f the local floodp ed photos) and d e:	tions A, B, and H r lain management of escribe each attack State:	nust sign here. The fficial completed in the Control of the Contro	The statements in Section of Section H, they should mments area.
The property owner or owner's auth A, B, and H are correct to the best on indicate in Item G2.b and sign Section Check here if attachments are property Owner or Owner's Authorizative: City: Celephone: Comments:	orized representative who find knowledge. Note: It on G. rovided (including require ted Representative Name Ext.: Email: _	o completes Sec f the local floodp ed photos) and d e:	tions A, B, and H r lain management of escribe each attack State:	nust sign here. The fficial completed in the Control of the Contro	The statements in Section of Section H, they should mments area.
The property owner or owner's auth A, B, and H are correct to the best of indicate in Item G2.b and sign Section Check here if attachments are peroperty Owner or Owner's Authorizaddress: City: Felephone: Cignature: Comments:	orized representative who find knowledge. Note: It on G. rovided (including require ted Representative Name Ext.: Email: _	o completes Sec f the local floodp ed photos) and d e:	tions A, B, and H r lain management of escribe each attack State:	nust sign here. The fficial completed in the Control of the Contro	The statements in Section of Section H, they should mments area.

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	
143 Champlain Drive 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 06/23/2025

Clear Photo One



Photo Two

Photo Two Caption: Rear View 06/23/2025

Clear Photo Two

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

Continuation Page

Building Street Address (including Apt., Unit,	Suite, and/or Blo	dg. No.)	or P.O. Route a	nd Box No.:	FOR INSURANCE COMPANY USE
143 Champlain Drive City: Pooler	State:	GA	ZIP Code: 3	31322	Policy 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: Right View 06/23/2025

Clear Photo Three



Photo Four

Photo Four Caption: Left View 06/23/2025

Clear Photo Four

ADDITIONAL BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008

IMPORTANT: In these spaces,	FOR INSURANCE COMPANY USE		
Building Street Address (includin 143 Champlain Drive	Policy Number:		
City	Company NAIC Number		
Pooler	GA	31322	

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 One Caption

Flood Vent (06/23/2025)



ICC-ES Evaluation Report

ESR-3560

Reissued September 2023

This report also contains:

- CBC Supplement

Subject to renewal September 2024

- FBC Supplement

REPORT HOLDER:

FLOOD FLAPS®, LLC

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.

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DIVISION: 08 00 00 - OPENINGS

Section: 08 95 43— Vents/Foundation Flood Vents **EVALUATION SUBJECT:**

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

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

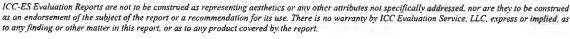
3.1 General:

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 <u>Figure 1</u> 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 ½ inch by ¼-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 Height) (inches)	VENT SIZE (W X H X D) (inches)	ENCLOSED AREA COVERAGE ² (ft ²)	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 ft2 = 0.093 m2

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.

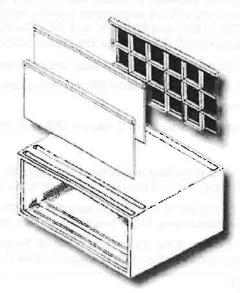


FIGURE 1—FLOOD FLAPS® AUTOMATIC FLOOD VENT

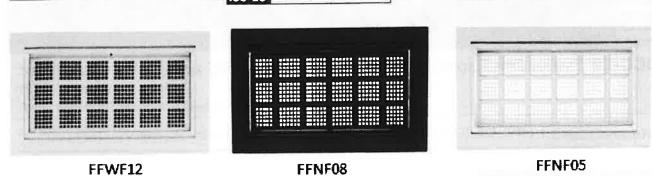


FIGURE 2—FLOOD FLAPS® AUTOMATIC FLOOD VENT SERIES MODELS

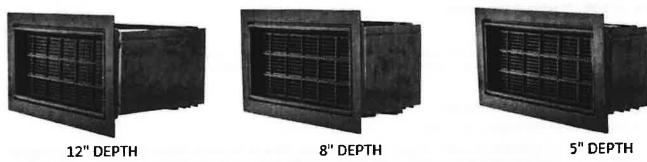


FIGURE 3—FLOOD FLAPS® AUTOMATIC FLOOD VENTS MULTIPLE DEPTH OFFERINGS



ICC-ES Evaluation Report

ESR-3560 CBC and CRC Supplement

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, 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.

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 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.





ICC-ES Evaluation Report

ESR-3560 FBC Supplement

Reissued September 2023

This report is subject to renewal September 2024.

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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.



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