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

OMB No. 1660-0008 Expiration Date: November 30, 2018

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. B4. Map/Panel Number 12115c / 0453 A5. Latitude/Longitude: Lat N 26.96041 ° 98 Winson Avenue A7. Building Diagram Number A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Parcel ID # 0503060014 A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) A2. Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Robert & Patsy Law B10. A9. For a building with an attached garage: B12. B11. Indicate elevation datum used for BFE in Item B9: 🔲 NGVD 1929 Sarasota County & 125144 B1. NFIP Community Name & Community Number **Building Owner's Name** Englewood O b) Number of permanent flood openings in the attached O b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade For a building with a crawlspace or enclosure(s): ع a) Square footage of attached garage d) Engineered flood openings? a) Square footage of crawispace or enclosure(s) Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9 Designation Date ☐ FIS Profile ☒ FIRM ☐ Community Determined Engineered flood openings? Total net area of flood openings in A9.b Total net area of flood openings in A8.b П **B5. Suffix** SECTION A - PROPERTY INFORMATION SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION **B**6. 11-04-2016 FIRM Index Date × Yes ☐ Yes × No CBRS B7. FIRM Panel Effective/ Revised Date Long. W 82.36247 ° 11-04-2016 garage within 1.0 foot above adjacent grade N/A Other/Source: 640.00 sq in ☐ OPA Sarasota B2. County Name Florida N/A sqft State N/A sq in 1001.00 sq ft X NAVD 1988 B8. Flood Zone(s) 品 Accessory Horizontal Datum: 12.0 B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) Other/Source: 34223 Policy Number: FOR INSURANCE COMPANY USE ZIP Code Company NAIC Number NAD 1927 Florida B3. State O X NAD 1983 ☐ Yes N N

OMB No. 1660-0008
Expiration Data: Nove

52 sq. ft. of coverage each the FEMA form.	viding 2:	ilicable) AIR VENTS were used prove, as this is automatically a	location, per C2(e), if app side of building. Model FOAL USA FLOOD, r grade used. e the second decimal plac	Comments (including type of equipment and location, per C2(e), if applicable) C2.e) Air conditioner on platform located outside of building. ICC-ES Evaluation Report Attached. (5) of Model FOAL USA FLOOD AIR VENTS were used providing 252 sq. ft. of totaling 1260 total sq. ft. of coverage. Interior grade used. Data in C2.a-h is only accurate to 0.1'; ignore the second decimal place, as this is automatically added by the FEM Magellan Triton 1500 GPS
company, and (3) building owner.	agent/o	nmunity official, (2) insurance	d all attachments for (1) con	Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company,
E.	ED Xt.	Telephone (941) 460-0036	Date 8-14-17	Signature
STAY T		ZIP Code 34223	State Florida	City Englewood
manual resident	1,13			Address 485 Stewart Street
とかったり				Company Name Sharp Surveying, Inc.
	1,			Title Professional Surveyor & Mapper
#6218	C 2	mber	License Number LS #6218	Certifier's Name Larry J. Sharp
Check here if attachments.	П	urveyor? X Yes No	vided by a licensed land s	Were latitude and longitude in Section A provided by a licensed land surveyor?
o certify elevation information. understand that any false	oy law to lable. I u	er, or architect authorized this to interpret the data available, Section 1001.	by a land surveyor, engine to represents my best efforms and engles of the resonment under 18 U.S. C	This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by 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.
ON	FICATI	, OR ARCHITECT CERTIFICATION	SURVEYOR, ENGINEER,	SECTION D - S
∑ feet ☐ meters	6.30	cluding	vation of deck or stairs, in	 h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support
) ⊠ feet ☐ meters	6.40		ext to building (HAG)	g) Highest adjacent (finished) grade next to building (HAG)
X feet ☐ meters	6.10		xt to building (LAG)	f) Lowest adjacent (finished) grade next to building (LAG)
∑ feet ☐ meters	12.90	ding	uipment servicing the building ation in Comments)	 e) Lowest elevation of machinery or equipment servicing the (Describe type of equipment and location in Comments)
	N/A	lly)	xural member (V Zones or	 d) Attached garage (top of slab)
X feet meters	17.50 N/A			
	6.80	sure floor)	nent, crawispace, or enclo	 a) Top of bottom floor (including basement, crawlspace, or enclosure floor)
Check the measurement used.	0	d for the BFE.	t be the same as that used	Datum used for building elevations must be the same as that used for the BFE
		jh h) below.	evations in items a) through	Indicate elevation datum used for the elevations in items a) through h) below
AR/AE, AR/A1-A30, AR/AH, AR/AO. uerto Rico only, enter meters.	rto Rico	-V30, V (with BFE), AR, AR/A, Argram specified in Item A7. In Pue	, A (with BFE), VE, V1–V30, ding to the building diagram : Elev= 11.49' Vertice	C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/A Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Benchmark Utilized: NGS BM P635 Elev= 11.49' Vertical Datum: NAVD 1988
]			ired when construction of	*A new Eleva
X Finished Construction	ruction*	Building Under Construction*	Construction Drawings*	
RED)		BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	JILDING ELEVATION IN	SECTION C -
Company NAIC Number	Com	ZIP Code 34223	State Florida	City Englewood
Policy Number:	Polic	P.O. Route and Box No.	Suite, and/or Bidg. No.) or	Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 98 Winson Avenue
FOR INSURANCE COMPANY USE	FOR	from Section A.	responding information	IMPORTANT: in these spaces, copy the corresponding information from Section A.
Expiration Date: November 30, 2018	Expira			ELEVATION CEXTIFICATE

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expiration Date: November 30, 2018

THE PARTY CONTRACTOR OF THE PA	Lypin	מוסוו סמומי. ואסייסוווססי ססי, בסוס
IMPORTANT: In these spaces, copy the corresponding information from Section A. Building Street Address (including Apt., Unit, Suite, and/or Bidg. No.) or P.O. Route and Box No. 98 Winson Avenue	Box No.	FOR INSURANCE COMPANY USE Policy Number:
City State ZIP Code Englewood Florida 34223	ode	Company NAIC Number
SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT FOR ZONE AO AND ZONE A (WITHOUT BFE)	(SURVEY NOT REQ OUT BFE)	REQUIRED)
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.	nded to support a LOM eck the measurement	A or LOMR-F request, used. In Puerto Rico only,
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, Crawlenges or enclosure) is	s to show whether the o	elevation is above or below
j basement,	meters	
E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1-the next higher floor (elevation C2.b in the diagrams) of the building is feet meters above or	A Items 8 and/or 9 (se	e pages 1–2 of Instructions), ☐ above or ☐ below the HAG.
E3. Attached garage (top of slab) is	☐ feet ☐ meters ☐	☐ above or ☐ below the HAG.
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 floodplain management ordinance?	oor elevated in accorda ocal official must certify	om floor elevated in accordance with the community's The local official must certify this information in Section G.
The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best	A, B, and E for Zone A B, and E are correct to	(without a FEMA-issued or the best of my knowledge.
Address	State	ZIP Code
Signature	Telephone	ne
Comments		
		☐ Check here if attachments.

OMB No. 1660-0008 Expiration Date: Nove

☐ Check here if attachments.		34
	94	
	C2(e), if applicable)	Comments (including type of equipment and location, per C2(e), if applicable)
	Date	Signature
	Telephone	Community Name
	I TUE	Local Official's Name
meters Datum	☐ feet	G10. Community's design flood elevation:
meters Datum	g site: feet	G9. BFE or (in Zone AO) depth of flooding at the building site:
meters Datum	rt) feet	G8. Elevation of as-built lowest floor (including basement) of the building:
	☐ New Construction ☐ Substantial Improvement	G7. This permit has been issued for:
Date Certificate of Compliance/Occupancy Issued	Date Permit Issued G6. [G4. Permit Number G5. Date G6. Date G5. Date G5
ent purposes.	ovided for community floodplain manageme	G3. The following information (Items G4–G10) is provided for community floodplain management purposes
A-issued or community-issued BFE)	building located in Zone A (without a FEM/	G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
nd sealed by a licensed surveyor, e source and date of the elevation .	ner documentation that has been signed an to certify elevation information. (Indicate the	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.)
nagement ordinance can complete below. Check the measurement	administer the community's floodplain man Complete the applicable item(s) and sign	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.
	- COMMUNITY INFORMATION (OPTIONAL)	SECTION G - CO
Company NAIC Number	te ZIP Code rida 34223	City State Englewood Florida
Policy Number:	Bldg. No.) or P.O. Route and Box No.	Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 98 Winson Avenue
FOR INSURANCE COMPANY USE	Information from Section A.	IMPORTANT: In these spaces, copy the corresponding information from Section A.
באטוומנוטוו שמום. ואטעפוווטפו טט, בטוס		

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008 Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY US
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number:
98 Winson Avenue	
City State ZIP Code	Company NAIC Number
Englewood Florida 34223	

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



Photo One Caption Front 8-14-2017

Clear Photo One



Photo Two Caption

FEMA Form 086-0-33 (7/15)

Rear 8-14-2017

Form Page 5 of 6

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008 Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. City 98 Winson Avenue Englewood Florida State 34223 ZIP Code Policy Number: FOR INSURANCE COMPANY USE Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

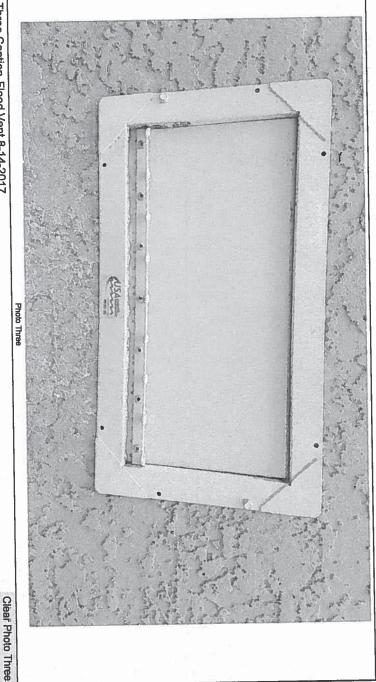


Photo Three Caption Flood Vent 8-14-2017

Photo Four

Photo Four Caption

Replaces all previous editions.

Photo Four

Form Page 6 of 6

Clear Photo Four



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ESR-3907

This report is subject to renewal 10/2017

DIVISION: 08 00 00—OPENINGS

SECTION: 08 95 43 - VENTS/FOUNDATION FLOOD VENTS

REPORT HOLDER:

USA FLOOD AIR VENTS, LTD.

SARATOGA SPRINGS, NEW YORK 12866 **63 PUTNAM STREET, SUITE 202**

EVALUATION SUBJECT:

USA FLOOD AIR VENTS: MODELS FOSS; FASS; FOAL; FAAL; ROAL



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ICC-ES Evaluation Report

ESR-3907

Issued October 2016

This report is subject to renewal October 2017.

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DIVISION: 08 00 00—OPENINGS
Section: 08 95 43—Vents/Foundation Flood Vents

REPORT HOLDER:

USA FLOOD AIR VENTS, LTD.
63 PUTNAM STREET
SUITE 202
SARATOGA SPRINGS, NEW YORK 12866
(631) 269-1872
(631) 269-1872
Info@usafloodalivents.com

EVALUATION SUBJECT:

USA FLOOD AIR VENTS: MODELS FOSS; FASS; FOAL; FAAL; ROAL

1.0 EVALUATION SCOPE

Compliance with the following codes:

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

Property evaluated:

- Physical operation
- Water flow
- Ventilation

2.0 USES

The USA Flood Air 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:

USA Flood Air Vents are engineered mechanically operated flood vents that automatically allow flood waters to enter and exit enclosed areas. The vents are constructed of stainless steel or aluminum. 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. See Table 1 for vent sizes and Figure 1 for an illustration of the vents.

3.1.1 FOSS: The FOSS is constructed of stainless steel and has a solid flap to prevent the free flow of air into the under-floor space.

> 3.1.2 FASS: The FASS is constructed of stainless steel and has a flap with ¹/₄ inch (6 mm) diameter holes to allow for the ventilation of under-floor spaces.

3.1.3 FOAL: The FOAL is constructed of aluminum and has a solid flap to prevent the free flow of air into the under-floor space.

3.1.4 FAAL: The FAAL is constructed of aluminum and has a flap with 1/4 inch (6 mm) diameter holes to allow for the ventilation of under-floor spaces.

3.1.5 ROAL: The ROAL is constructed of aluminum and has a solid flap to prevent the free flow of air into the under-floor space. It is intended for retrofit applications.

3.2 Engineered Opening:

The USA Flood Air Vents flood vents comply with the design principle noted in Section 2.7.2.2 of ASCE/SEI 24-05) for a rate of 24-14 (Section 2.6.2.2 of ASCE/SEI 24-05) 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, USA Flood Air Vents flood vents must be installed in accordance with Section 4.0.

3.3 Ventilation:

USA Flood Air Vents models FASS and FAAL have 1/4 inch (6 mm) diameter holes in the flap to supply natural ventilation for under-floor ventilation. See Table 1 for the net free area provided for under-floor ventilation.

4.0 DESIGN AND INSTALLATION

USA Flood Air Vents flood vents are designed to be installed into walls or doors of existing or new construction. Installation of the flood vents must be in accordance with the manufacturer's instructions, the applicable code and this report. USA Flood Air Vents flood vents can be installed in wood, masonry and concrete walls. In order to comply with the engineered opening design principle noted in Section 2.7.2.2 of ASCE/SEI 24-14 (Section 2.6.2.2 of ASCE/SEI 24-15), the USA Flood Air Vents flood vents must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one flood vent per the amount of enclosed area coverage noted in Table 1.
- Below the base flood elevation.
- With the bottom of the flood vent located a maximum of 12 Inches (305 mm) above grade.



Page 1 of 2

5.0 CONDITIONS OF USE

The USA Flood Air Vents 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 USA Flood Air Vents flood vents 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 USA Flood Air Vents flood vents 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.

7.0 (DENTIFICATION

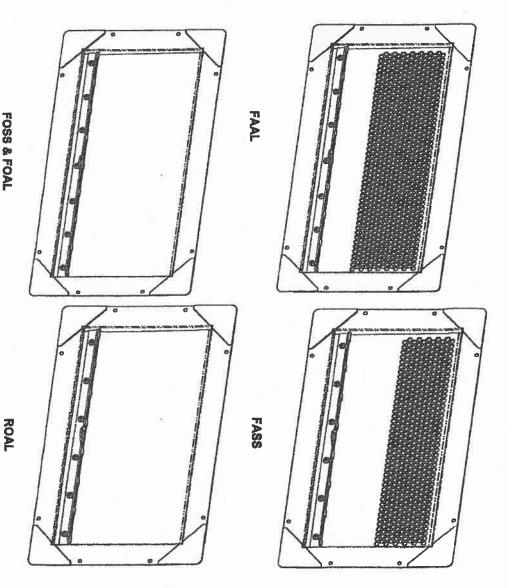
The USA Flood Air Vents models recognized in this report are identified by a label bearing the manufacturer's name, the model designation, and the evaluation report number (ESR-3907).

TABLE 1-USA FLOOD AIR VENTS

	224	13// _a × 7 ³ / ₅	163/ ₆ × 10	NO.
	252	15 ¹ / ₂ × 7 ¹ / ₂	18 x 10	FAAL
	252	151/2 x 71/2	18 x 10	FOAL
	252	15 ¹ / ₂ × 7 ¹ / ₂	18 x 10	FASS
	252	151/2 x 71/2	18 x 10	FOSS
Z	ENCLOSED AREA COVERAGE (ft²)	ROUGH OPENING SIZE (Width x Height) (In)	VENT SIZE (Width x Height) (in)	MODEL

For 81: 1 inch = 25.4 mm

1Net free area in the vent flap for under-floor space ventilation.





ICC-ES Evaluation Report

ESR-3907 CBC and CRC Supplement

Issued October 2016

This report is subject to renewal October 2017.

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DIVISION: 08 00 00—OPENINGS Section: 08 95 43—Vents/Found

Section: 08 95 43—Vents/Foundation Flood Vents

REPORT HOLDER:

USA FLOOD AIR VENTS, LTD. 63 PUTNAM STREET, SUITE 202 SARATOGA SPRINGS, NEW YORK 12866 (631) 269-1872 www.usafloodairvents.com

info@usafloodairvents.com

EVALUATION SUBJECT:

USA FLOOD AIR VENTS: MODELS FOSS; FASS; FOAL; FAAL; ROAL

1.0 REPORT PURPOSE AND SCOPE

Purpose:

CBC Chapters 16 and 16A and CRC Section R322; and ventilation provisions of CBC Section 1203.3 and CRC Section evaluation report ESR-3907, have also been evaluated for compliance with flood vent provisions of ASCE 24 referenced in The purpose of this evaluation report supplement is to indicate that USA Flood Air Vents, recognized in ICC-ES master

Applicable code editions:

- 2013 California Building Code (CBC)
- 2013 California Residential Code (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The USA Flood Air Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-3907, comply with flood vent provisions of ASCE 24 referenced in CBC Chapters 16 and 16A and ventilation provisions of CBC Section 1203.3, provided the applicable vents are designed and installed in accordance with the 2012 International Building Code (IBC) provisions noted in the master report and the additional requirements of CBC Chapters 16 and 16A and CBC Section 1203.3, as applicable.

2.2 CRC:

The USA Flood Air Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-3907, comply with flood vent provisions of ASCE 24 referenced in CRC Section R322; and ventilation provisions of CRC Section R408.2, provided the applicable vents are designed and installed in accordance with the 2012 *International Residential Code* (IRC) provisions noted in the master report and the additional requirements of CRC Sections R408.2 and R322, as applicable

This supplement expires concurrently with the master report, issued October 2016



ICC-ES **Evaluation Report**

ESR-3907 FBC Supplement

Issued October 2016

This report is subject to renewal October 2017.

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DIVISION: 08 00 00—OPENINGS
Section: 08 95 43—Vents/Foundation Flood Vents

-OPENINGS

REPORT HOLDER:

USA FLOOD AIR VENTS, LTD. 63 PUTNAM STREET, SUITE 202 SARATOGA SPRINGS, NEW YORK 12866 (631) 269-1872 www.usafloodairvents.com

EVALUATION SUBJECT:

USA FLOOD AIR VENTS: MODELS FOSS; FASS; FOAL; FAAL; ROAL

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that USA Flood Air Vents, recognized in ICC-ES master evaluation report ESR-3907, has also been evaluated for compilance with the codes noted below.

Applicable code editions:

- 2014 Florida Building Code-Building
- 2014 Florida Building Code--Residential

2.0 CONCLUSIONS

The USA Flood Air Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-3907, compiles with the Floride Building Code—Building and Floride Building Code—Residential, provided the design and installation are in accordance with the 2012 International Building Code provisions noted in the master report.

of the Florida Building Code-Use of the USA Flood Air Vents has also been found to be in compliance with the High-Velocity Hurricane Zone provisions -Building and 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 master report, issued October 2016

Page 1 of