

FPUP # P16FC00433

DSD # P16BP05424

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				FOR INSURANCE COMPANY USE	
A1. Building Owner's Name Anthony King				Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1100 W. Camino Desierto				Company NAIC Number:	
City Tucson		State Arizona		ZIP Code 85704	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Tax Code 225-49-1010 Township 12 S Range 13 E Section 35 VISTA DE LA CANADA LOT 28					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Accessory: Detached Garage</u>					
A5. Latitude/Longitude: Lat. <u>32.347480</u> Long. <u>-110.989275</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983					
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.					
A7. Building Diagram Number <u>1B</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <u>336</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>2</u>					
c) Total net area of flood openings in A8.b <u>72,576</u> sq in					
d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
A9. For a building with an attached garage:					
a) Square footage of attached garage <u>N/A</u> sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>0</u>					
c) Total net area of flood openings in A9.b <u>0</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number PIMA COUNTY 040073			B2. County Name PIMA		B3. State Arizona
B4. Map/Panel Number 04019C1680	B5. Suffix L	B6. FIRM Index Date 9-28-2012	B7. FIRM Panel Effective/ Revised Date 6-16-2011	B8. Flood Zone(s) X	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 100.5
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input checked="" type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input checked="" type="checkbox"/> Other/Source: <u>HIGHEST ADJ. NAT. GRD. = 100.0</u>					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: <u>N/A</u> <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

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ELEVATION CERTIFICATE

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

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. <u>1100 W. CAMINO DESIERTO</u>			Policy Number:
City <u>TUCSON</u>	State <u>AZ</u>	ZIP Code <u>85704</u>	Company NAIC Number

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
 *A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, 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: Highest Adj. Nat. Grade = 100.0 Vertical Datum: LOCAL

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929 NAVD 1988 Other/Source: HIGHEST ADJ. NAT. GRADE = 100.0

Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

- | | | | |
|---|--------------|--|---------------------------------|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) | <u>101.1</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor | <u>N/A.</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only) | <u>N/A.</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| d) Attached garage (top of slab) | <u>N/A.</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| e) Lowest elevation of machinery or equipment servicing the building
(Describe type of equipment and location in Comments) | <u>N/A.</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | <u>99.8</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | <u>101.0</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support | <u>N/A.</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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.

Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No Check here if attachments.

Certifier's Name <u>TODD A. HOUT</u>	License Number <u>AZ# 35543 Land Surveyor</u>	
Title <u>Owner</u>		
Company Name <u>Polaris Land Surveying LLC</u>		
Address <u>3528 N. Flowing Wells Rd.</u>		
City <u>Tucson</u>	State <u>Arizona</u>	
Signature 	Date <u>12/22/16</u>	Telephone <u>520-322-6400</u>

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)

A8) No crawl space, area listed is for the garage; A8c) 2X USA Flood Air Vents "FASS" model engineered flood vents with 113 sq. in. opening each (15.42"x 7.33"), with a rating of 252 sq. ft. each (504 sq. ft total rating, or 72,576 sq. in), mounted with the bottom of the opening flush with the interior floor elevation (101.1); C2b) No next higher floor; C2c) Does not apply, not a "V Zone"; C2e) No equipment on structure; C2f) lowest adjacent natural grade=99.8 b ; C2g) highest adjacent natural grade=100.0 (basis of elevations); C2h) no deck or stairs

ELEVATION CERTIFICATE

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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. 1100 W. Camino Desierto			Policy Number:
City Tucson	State Arizona	ZIP Code 85704	Company NAIC Number

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, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
 - b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Elevation with permanent flood option provided in Section A Item _____ (see pages 1–2 of Instructions), the next highest elevation (see Section C2.b in the diagrams) is _____ feet meters above or below the HAG.
- E3. Attached garage top of _____ feet meters above or below the HAG.
- E4. Top of platform machine _____ feet meters above or below the HAG.
- E5. Zone AO only. Flood depth _____ is available. Top of the bottom floor is elevated in accordance with the community's floodplain management ordinance. Yes No Unknown. The _____ official must certify information in Section G.

SECTION F – PROPERTY OWNER OR OWNER'S REPRESENTATIVE SIGNATURE

The property owner or owner's authorized representative completes Sections B, C, D, E, and F for Zone A (without BFE) or FEMA-issued or community-issued floodplain map for Zone AO must sign. The information in Sections B, C, D, E, and F are correct to the best of my knowledge.

Property Owner or _____'s Authorized Representative _____

Address _____ City _____ State _____ ZIP Code _____

Signature _____ Date _____ Telephone _____

Comments

Check here if attachments.

ELEVATION CERTIFICATE

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

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. 1100 W. Camino Desierto			Policy Number:
City Tucson	State Arizona	ZIP Code 85704	Company NAIC Number

SECTION G – COMMUNITY INFORMATION (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 in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate of Compliance/Occupancy Issued
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G7. This permit has been issued for: New Construction Substantial 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	Title
Community Name	Telephone
Signature	Date

Comments (including type of equipment and location, per C2(e), if applicable)

Check here if attachments.

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

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 USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1100 W. Camino Desierto			Policy Number:
City Tucson	State Arizona	ZIP Code 85704	Company NAIC Number

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 - DEC. 19, 2016



Photo Two

Photo Two Caption RIGHT SIDE VIEW - DEC. 19, 2016

BUILDING PHOTOGRAPHS

Continuation Page

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

ELEVATION CERTIFICATE

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. 1100 W. Camino Desierto			Policy Number:
City Tucson	State Arizona	ZIP Code 85704	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 One

Photo One Caption REAR SIDE VIEW - DEC. 19, 2016



Photo Two

Photo Two Caption LEFT SIDE VIEW - DEC. 19, 2016





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ICC-ES Report

ESR-3907

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Issued 10/2016

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.

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

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.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:****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 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 $\frac{1}{4}$ 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 $\frac{1}{4}$ 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 24-14 (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 $\frac{1}{4}$ 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 24-05), 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.

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 IDENTIFICATION

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

MODEL DESIGNATION	VENT SIZE (Width x Height) (in)	ROUGH OPENING SIZE (Width x Height) (in)	ENCLOSED AREA COVERAGE (ft ²)	FLAP NET FREE AREA ¹ (in ²)
FOSS	18 x 10	15 1/2 x 7 1/2	252	None
FASS	18 x 10	15 1/2 x 7 1/2	252	28
FOAL	18 x 10	15 1/2 x 7 1/2	252	None
FAAL	18 x 10	15 1/2 x 7 1/2	252	37
ROAL	16 7/8 x 10	13 1/8 x 7 1/2	224	None

For SI: 1 inch = 25.4 mm

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

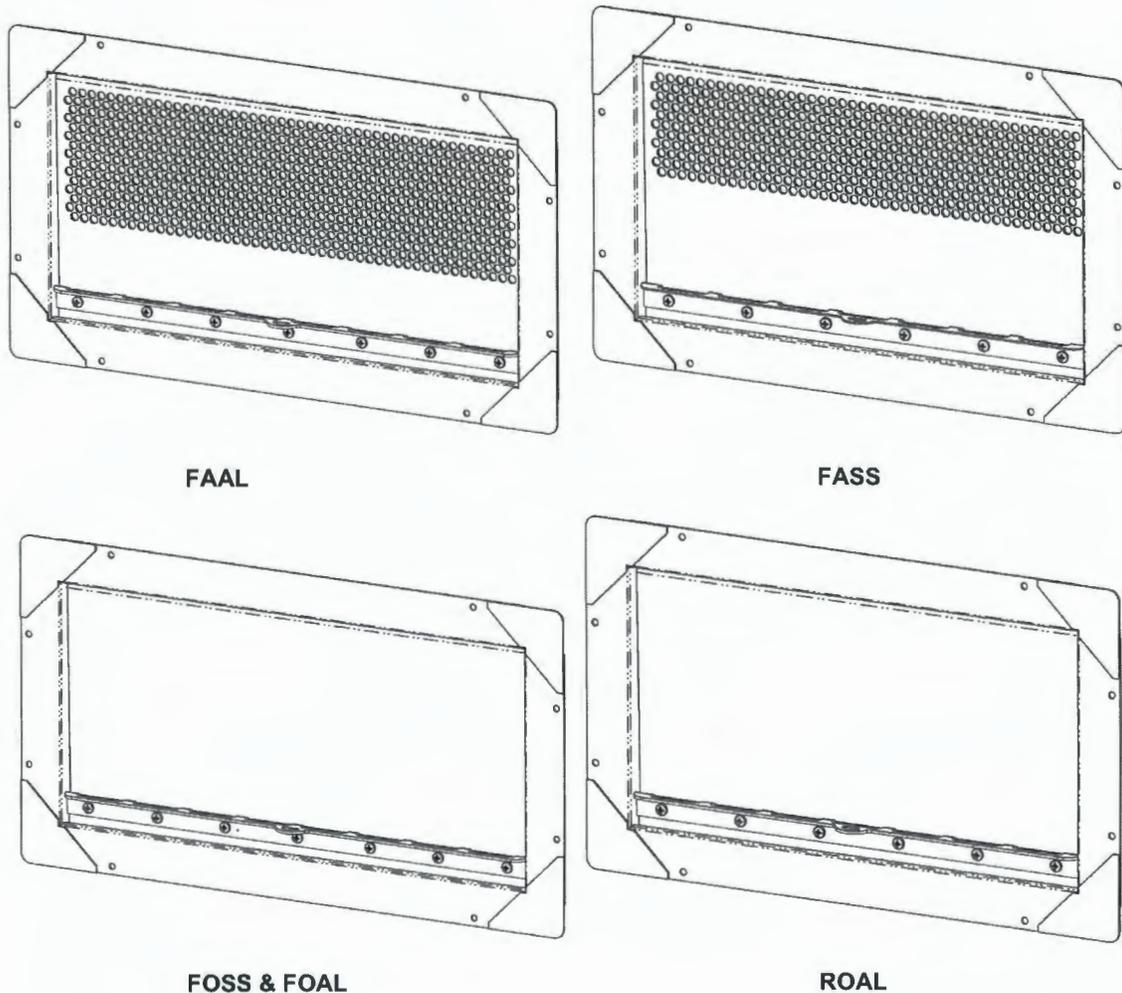


FIGURE 1—USA FLOOD AIR VENTS

ICC-ES Evaluation Report**ESR-3907 CBC and CRC Supplement**

Issued October 2016

This report is subject to renewal October 2017.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:**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:**

The purpose of this evaluation report supplement is to indicate that USA Flood Air Vents, recognized in ICC-ES master evaluation report ESR-3907, have also been evaluated for compliance with flood vent provisions of ASCE 24 referenced in CBC Chapters 16 and 16A and CRC Section R322; and ventilation provisions of CBC Section 1203.3 and CRC Section R408.2.

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

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:**

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 compliance 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, complies with the *Florida Building Code—Building* and *Florida Building Code—Residential*, provided the design and installation are in accordance with the 2012 *International Building Code*® provisions noted in the master report.

Use of the USA Flood Air Vents has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—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.



Introduction to Code Compliance Research Reports

Code Compliance Research Reports (CCRR) published by Intertek Testing Services NA, Inc. and ATI Evaluation Services are qualified alternatives to an ICC-ES Evaluation Report (ESR). Each is credible evidence of a product's compliance with building codes as determined through an accredited product certification process.

For approval of certain building products, materials, or methods of construction, the governing bodies that regulate building construction in their respective jurisdictions may have policies and/or regulations that require a code compliance evaluation by an independent agency. Historically, these product evaluations have come in the form of an evaluation report (ESR) published by the ICC Evaluation Service (ICC-ES). With a single source for code compliance evaluation, there has not been a need for building departments to have policies that establish the qualifications for an evaluation agency; their policies have simply required an ICC-ES evaluation report. Because of this historical precedent, a code official's acceptance of an Intertek or ATI-ES CCRR must rely upon its equivalence to the product evaluation that is otherwise accepted in the form of an ICC-ES ESR. The equivalence is well established. In each case, the products are evaluated through an accredited process, and the requirements for a product to be recognized in an Intertek or ATI-ES CCRR are equal to the requirements for recognition in an ICC-ES ESR.

Qualifications and Accreditation

ICC-ES is an independent agency that provides code compliance evaluation services to the general public. Their competency to provide this service is substantiated by accreditation from the American National Standards Institute (ANSI) in accordance with ISO/IEC 17065, *Conformity assessment — Requirements for bodies certifying products, processes and services*. The results of an ICC-ES evaluation through their ANSI-accredited process are published in an "Evaluation Report" (ESR).

Intertek and ATI Evaluation Services are accredited by the International Accreditation Service (IAS); the accreditation body of the International Code Council, to ISO/IEC Standard 17065 for product certification. This accreditation includes the evaluation of building products, materials, designs, and methods of construction for conformance to building codes. The results of an Intertek or ATI-ES code compliance evaluation through our accredited process are published in a Code Compliance Research Report (CCRR).

Additional Comparisons and CCRR Requirements

- Mandatory compliance with IBC, IRC, and code-referenced standards
- Products recognized in an Intertek or ATI-ES CCRR meet or exceed all minimum performance requirements for an ICC-ES ESR as identified in published ICC-ES Acceptance Criteria
- Licensed design professionals are responsible for product evaluations
- Testing is done by laboratories accredited to ISO 17025
- Quality control systems for manufacturing listed products must meet or exceed the minimum requirements established in ICC-ES AC10
- On-going verification of compliance is assured through periodic third-party inspections by inspection agencies accredited to ISO 17020
- Identification of listed products by labeling and public access to reports
- Reports are subject to review in one- to two-year periods

The Intertek logo consists of the word "Intertek" in a white, sans-serif font, centered within a dark blue rounded rectangular background.

Additional Intertek/ATI Qualifications

- IAS-accredited testing laboratory / ISO 17025
- IAS-accredited inspection agency / ISO 17020
- Florida State approved Certification Body, Testing Laboratory and Quality Assurance entity-
- Approved testing laboratory for: EPA, NFRC, Texas Department of Insurance, Miami-Dade Product Approval, City of Los Angeles

The Intertek and ATI-ES CCRR and, the ICC-ES ESR each satisfy the code requirements for a research report as defined in Section 104.11 and 1703 of the International Building Code when the code official deems it necessary. The reports from each agency are due equal consideration by the code official for approval of building products.

Understanding our role as a technical liaison between the building product supplier and the code official, we commit to providing the support required to address and answer any questions that may arise with respect to a product which has been evaluated for code compliance and which has been recognized in a CCRR. Our staff, comprised of Professional Engineers and Code Specialists, are readily available to work with all interested parties to ensure effective communication regarding the product compliance recognized in a CCRR.

If you are a code official presented with an Intertek or ATI-ES CCRR for the first time or you are someone who encounters a code official that requires an evaluation report for your product approval, we encourage you to contact Intertek or Architectural Testing. We understand the importance of this issue and expect code officials to review this matter with due scrutiny. We welcome the opportunity to earn their confidence so that CCRR listees can be assured that their products will be given consideration for approval equal to the consideration given to products that are recognized in an ICC-ES Evaluation Report.

Please contact Intertek with any questions concerning the qualification and use of an Intertek or ATI-ES Code Compliance Research Report (CCRR).

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