

# ELEVATION CERTIFICATE

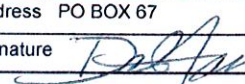
Important: Read the instructions on pages 1-9.

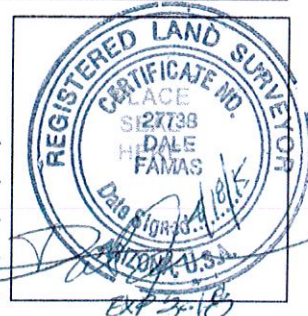
OMB No. 1660-0008  
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION		FOR INSURANCE COMPANY USE
A1. Building Owner's Name <b>RUSSELL and KAREN FOLGER</b>		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <b>7555 E. SPARROW HAWK RD</b>		Company NAIC Number:
City <b>PRESCOTT VALLEY</b>	State <b>AZ</b>	ZIP Code <b>86315</b>
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <b>APN 103-01-217Z, A PORTION OF LOT 7 ANTELOPE MEADOWS, SEC 14, T15N, R1W, G&amp;SRB&amp;M</b>		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <b>RESIDENTIAL</b>		
A5. Latitude/Longitude: Lat. <b>34 41'12.4"</b> Long. <b>112 19'56.9"</b>		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 <b>8</b>		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) <b>2350</b> sq ft		a) Square footage of attached garage <b>700</b> sq ft
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <b>20</b>		b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <b>3</b>
c) Total net area of flood openings in A8.b <b>2624</b> sq in		c) Total net area of flood openings in A9.b <b>727</b> sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number <b>YAVAPAI 040093</b>		B2. County Name <b>YAVAPAI COUNTY UNINCORPORATED AREA</b>		B3. State <b>AZ</b>	
B4. Map/Panel Number <b>04025C1725</b>	B5. Suffix <b>G</b>	B6. FIRM Index Date <b>9-03-2010</b>	B7. FIRM Panel Effective/Revised Date <b>9-3-2010/10-8-2013</b>	B8. Flood Zone(s) <b>AE</b>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <b>4851.646'</b>
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 checked="" type="checkbox"/> FIRM <input 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 checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
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: <b>NA</b> <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	
C1. Building elevations are based on: <input type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input checked="" type="checkbox"/> 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: <b>POQERM1</b> Vertical Datum: <b>4906.73' NAVD88</b> Indicate elevation datum used for the elevations in items a) through h) below. <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____ 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)	<b>4847.75</b> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor	<b>4852.65</b> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<b>NA</b> <input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab)	<b>4851.35</b> <input checked="" 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)	<b>4851.8</b> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<b>4848.3</b> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<b>4848.7</b> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<b>4848.5</b> <input checked="" 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.	
<input checked="" type="checkbox"/> Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Check here if attachments.	
Certifier's Name <b>DALE FAMAS</b>	License Number <b>LS 27738</b>
Title <b>LAND SURVEYOR</b>	Company Name <b>EMPIRE SURVEYING</b>
Address <b>PO BOX 67</b>	City <b>PAULDEN</b> State <b>AZ</b> ZIP Code <b>86334</b>
Signature 	Date <b>4-18-15</b> Telephone <b>(928)-636-6992</b>



**ELEVATION CERTIFICATE, page 2**

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>	<b>FOR INSURANCE COMPANY USE</b>
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 7555 E. SPARROW HAWK RD	Policy Number:
City PRESCOTT VALLEY State AZ ZIP Code 86315	Company NAIC Number:

**SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)**

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments WOOD FRAME HOUSE ELEVATED ON A CRAWLSPACE FINISHED FLOOR ELEV= 4852.65', ATTACHED GARAGE ON RAISED SLAB FF ELEV= 4851.35' WITH 3 ENGINEERED VENTS.GAS WATER HEATER ON PEDESTAL IN GARAGE ELEV= 4853.35', GAS FURNACE ON PEDESTAL IN GARAGE ELEV= 4853.35', ELECTRIC PANEL IN GARAGE ELEV= 4854.45', EVAPORATIVE COOLER ON PEDESTAL AT SW CORNER OF GARAGE ELEV= 4851.8'2 STORY, 1530 SF, DETACHED GARAGE FF ELEV= 4848.95', NO FLOOD VENTS ELECTRIC METER PANEL ON NW CORNER OF DETACHED GARAGE LAT/LON PER GPS

Signature *Dale Jarama* Date 4-18-15

**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 Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is \_\_\_\_\_  feet  meters  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?  Yes  No  Unknown. The local official must certify this information in Section G.

**SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION**

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP Code \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Telephone \_\_\_\_\_

Comments \_\_\_\_\_

Check here if attachments.

**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 \_\_\_\_\_

Check here if attachments.

# Building Photographs

See Instructions for Item A6.

**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.  
7555 E. SPARROW HAWK RD

Policy Number:

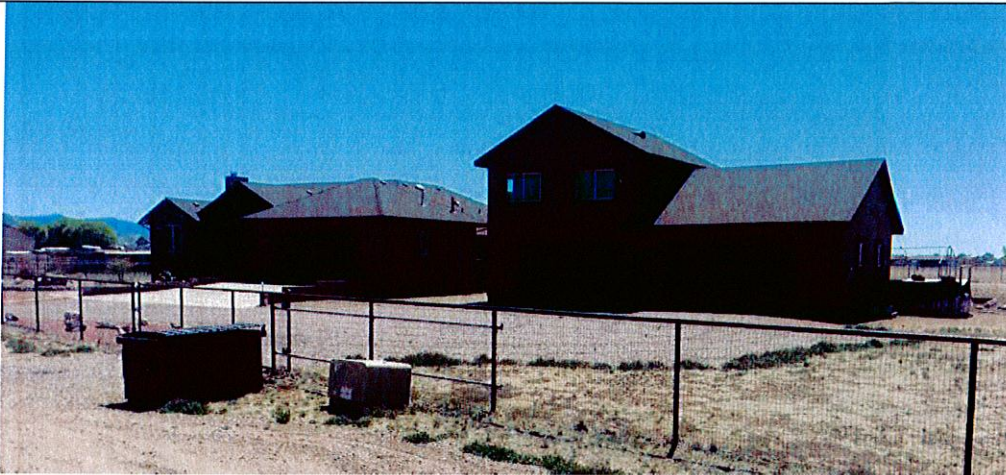
City PRESCOTT VALLEY

State AZ

ZIP Code 86315

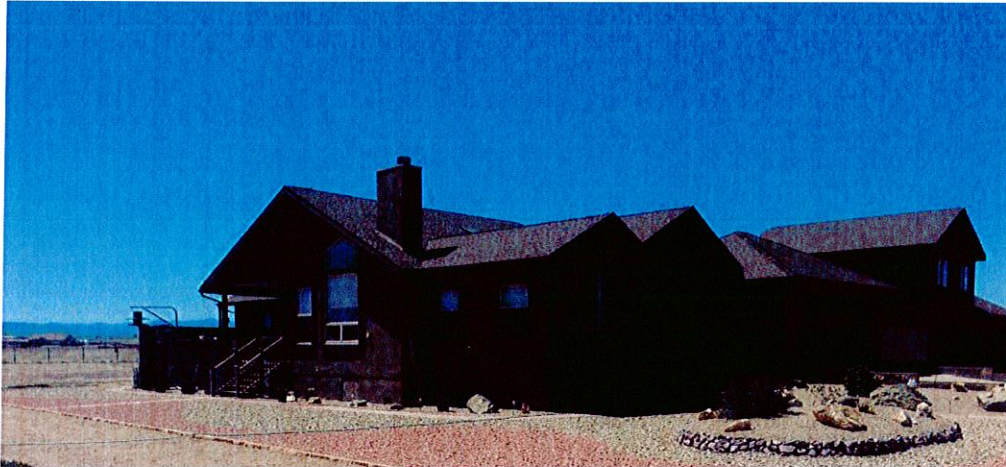
Company NAIC Number:

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.



HOUSE AND DETACHED

GARAGE LOOKING SOUTHEAST FROM ROAD 4-14-2014



FRONT AND EAST SIDE OF

HOUSE LOOKING SOUTHWEST FROM ROAD 4-14-2014.

NOTE: SEE MODIFIED ACCESS DOOR VENT ON FOLLOWING PAGE

# Building Photographs

Continuation Page

**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. 7555 E. SPARROW HAWK RD		
City PRESCOTT VALLEY	State AZ	ZIP Code 86315

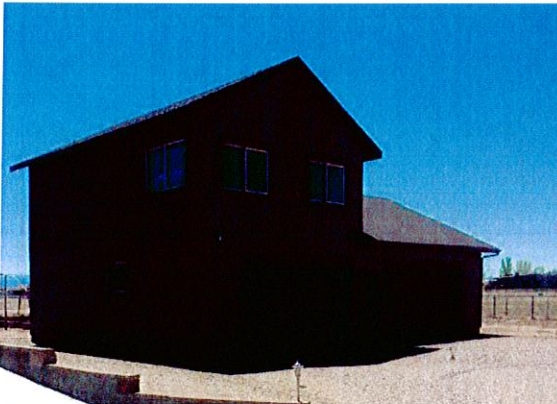
FOR INSURANCE COMPANY USE	
Policy Number:	
Company NAIC Number:	

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.



REAR AND WEST SIDE OF

HOUSE LOOKING NORTHEASTERLY 4-14-2014



FRONT AND EAST SIDE OF DETACHED GARAGE  
LOOKING SOUTHWEST FROM ROAD 4-14-2014

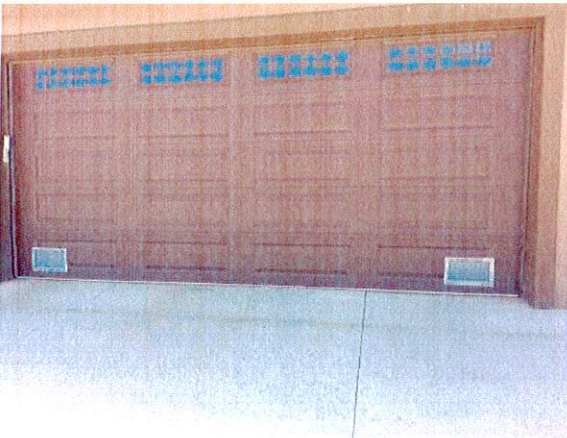


BACK AND WEST SIDE OF DETACHED GARAGE LOOKING  
NORTHEASTERLY 4-14-2014

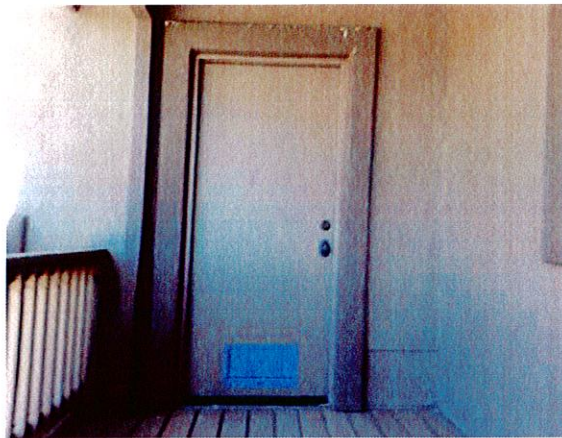


ON EAST SIDE OF HOUSE 4-17-2015

MODIFIED, NEW 496SQ.IN. CRAWL SPACE ENTRY DOOR VENT



2 ENGINEERED VENTS, 232SF EACH  
MOFIFICATION OF VENTS VENTS ADDED, FRONT AND REAR DOORS OF ATTACHED GARAGE  
SEE ATTACHED ENGINEERING SPECIFICATIONS.



ENGINEERED VENT 263SF

4-17-2015



# Certification of Engineered Flood Openings

In accordance with NFIP, FEMA Technical Bulletin 1-08 and ASCE/SEI 24-05

## Certification Statement

I hereby certify that the flood vents manufactured by USA Foundation Flood Air Vents (Model No's FO-316, FA-316, FOAL, FAAL, RFPC and RFSS) are designed in accordance with the requirements of the 2011 NFIP "Flood Insurance Manual" to provide automatic equalization of hydrostatic flood loads on exterior walls by allowing the automatic entry and exit of floodwaters during floods up to and including the base 100-year flood. The flood vents must be installed and sized properly as set forth by the requirements below. This certification follows the design requirements and specifications that are established in FEMA Technical Bulletin 1-08 and ASCE/SEI 24-05.

## Design Characteristics

I hereby certify that I have measured the flood vent models listed below. I have also calculated the maximum total enclosed area that can be served by each individual model based on the net area of the opening using the equation taken from ASCE/SEI 24-05, Section 2.6.2.2 and the following design assumptions listed below.

### Design Assumptions:

- The rates of rise and fall have been assumed to be 5 feet per hour.
- The maximum difference between the exterior and interior floodwater levels have been assumed to be 1 foot during base flood conditions.
- A factor of safety of 5 has been used in the design.

### Area of Engineered Openings per ASCE 24, Section 2.6.2.2

$$A_o = (0.0333)[1/c]R(A_e) \rightarrow A_e = A_o / [(0.0333)[1/c]R]$$

Where:

$A_o =$	Total Net Area of Openings Required ( $\text{in}^2$ )
0.0333 =	Coefficient Corresponding to a Factor of Safety of 5.0 ( $\text{in}^2 \cdot \text{hr}/\text{ft}^3$ )
$c =$	Opening Coefficient (Non-Dimensional; see ASCE 24, Table 2-2)
$R =$	Worst Case Rate of Rise and Fall ( $\text{ft}/\text{hr}$ )
$A_e =$	Total Enclosed Area ( $\text{ft}^2$ )

Maximum Area Coverage in Square Feet per Vent for each Model

Model	Height (in.)	Width (in.)	$A_o$ ( $\text{in}^2$ )	Constant ( $\text{in}^2 \cdot \text{hr}/\text{ft}^3$ )	$c$	$R$ (ft/hr)	$A_e$ ( $\text{ft}^2$ )
FO-316	7.00	15.50	108.50	0.0330	0.400	5	263
FA-316	7.00	15.50	108.50	0.0330	0.400	5	263
FOAL-W	7.00	15.50	108.50	0.0330	0.400	5	263
FOAL-B	7.00	15.50	108.50	0.0330	0.400	5	263
FOAL-G	7.00	15.50	108.50	0.0330	0.400	5	263
FAAL-W	7.00	15.50	108.50	0.0330	0.400	5	263
FAAL-B	7.00	15.50	108.50	0.0330	0.400	5	263
FAAL-G	7.00	15.50	108.50	0.0330	0.400	5	263
RFPC	7.00	13.75	96.25	0.0330	0.398	5	232
RFSS	7.00	13.75	96.25	0.0330	0.398	5	232

\*Note: ( $A_e$ ) is the maximum total enclosed area that can be served for each individual model based on the net area of the opening ( $A_o$ )

## Limitations and Installation Requirements

This certification will be voided in its entirety if the following installation requirements and limitations are not enforced. USA Foundation Flood Air Vents and Conn Engineering Consultants, Inc. do not recommend or authorize any modifications to the flood vents and will not be held liable for improper installation or modification of the flood vents.

### FEMA/ NFIP Limitations and Installation Requirements:

- A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.
- The bottom of all openings shall be no higher than one foot above grade that is immediately under each opening.
- Openings may be equipped with screens, louvers, valves or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.
- It is recommended that openings be reasonably distributed around the perimeter of the enclosed area unless there is clear justification for putting all openings on just one or two sides (such as in townhouses or buildings set into sloping sites).
- Where analysis indicates rates of rise and fall greater than 5 feet per hour, the total enclosed area shall be reduced accordingly.

### Design Professional

Name / Title: Jason M. Conn, P.E. President, Conn Engineering Consultants, Inc.  
 Address: 107 N. Bridge St., Linden, MI 48451  
 License Type: Professional Engineer  
 State: Arizona  
 License Number: 42266

### Installation Address

Customer and Installation Address:

Russ Folger  
 7555 Sparrow Hawk Road  
 Prescott Valley, AZ 86315

### Model Installed

Model Number: RFPC  
 Maximum total enclosed area that can be served for EACH individual vent: 232 Square Feet

Professional Engineering Seal





# Certification of Engineered Flood Openings

In accordance with NFIP, FEMA Technical Bulletin 1-08 and ASCE/SEI 24-05

## Certification Statement

I hereby certify that the flood vents manufactured by USA Foundation Flood Air Vents (Model No's FO-316, FA-316, FOAL, FAAL, RFPC and RFSS) are designed in accordance with the requirements of the 2011 NFIP "Flood Insurance Manual" to provide automatic equalization of hydrostatic flood loads on exterior walls by allowing the automatic entry and exit of floodwaters during floods up to and including the base 100-year flood. The flood vents must be installed and sized properly as set forth by the requirements below. This certification follows the design requirements and specifications that are established in FEMA Technical Bulletin 1-08 and ASCE/SEI 24-05.

## Design Characteristics

I hereby certify that I have measured the flood vent models listed below. I have also calculated the maximum total enclosed area that can be served by each individual model based on the net area of the opening using the equation taken from ASCE/SEI 24-05, Section 2.6.2.2 and the following design assumptions listed below.

### Design Assumptions:

- The rates of rise and fall have been assumed to be 5 feet per hour.
- The maximum difference between the exterior and interior floodwater levels have been assumed to be 1 foot during base flood conditions.
- A factor of safety of 5 has been used in the design.

### Area of Engineered Openings per ASCE 24, Section 2.6.2.2

$$A_o = (0.0333)[1/c]R(A_e) \rightarrow A_e = A_o / [(0.0333)[1/c]R]$$

Where:

$A_o$ =	Total Net Area of Openings Required (in <sup>2</sup> )
0.033 =	Coefficient Corresponding to a Factor of Safety of 5.0 (in <sup>2</sup> -hr/ft <sup>3</sup> )
$c$ =	Opening Coefficient (Non-Dimensional; see ASCE 24, Table 2-2)
$R$ =	Worst Case Rate of Rise and Fall (ft/hr)
$A_e$ =	Total Enclosed Area (ft <sup>2</sup> )

Maximum Area Coverage in Square Feet per Vent for each Model

Model	Height (in.)	Width (in.)	$A_o$ (in. <sup>2</sup> )	Constant (in <sup>2</sup> -hr/ft <sup>3</sup> )	$c$	$R$ (ft/hr)	$A_e$ (ft <sup>2</sup> )
FO-316	7.00	15.50	108.50	0.0330	0.400	5	263
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FOAL-W	7.00	15.50	108.50	0.0330	0.400	5	263
FOAL-B	7.00	15.50	108.50	0.0330	0.400	5	263
FOAL-G	7.00	15.50	108.50	0.0330	0.400	5	263
FAAL-W	7.00	15.50	108.50	0.0330	0.400	5	263
FAAL-B	7.00	15.50	108.50	0.0330	0.400	5	263
FAAL-G	7.00	15.50	108.50	0.0330	0.400	5	263
RFPC	7.00	13.75	96.25	0.0330	0.398	5	232
RFSS	7.00	13.75	96.25	0.0330	0.398	5	232

\*Note: ( $A_e$ ) is the maximum total enclosed area that can be served for each individual model based on the net area of the opening ( $A_o$ )

## Limitations and Installation Requirements

This certification will be voided in its entirety if the following installation requirements and limitations are not enforced. USA Foundation Flood Air Vents and Conn Engineering Consultants, Inc. do not recommend or authorize any modifications to the flood vents and will not be held liable for improper installation or modification of the flood vents.

### FEMA/ NFIP Limitations and Installation Requirements:

- A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.
- The bottom of all openings shall be no higher than one foot above grade that is immediately under each opening.
- Openings may be equipped with screens, louvers, valves or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.
- It is recommended that openings be reasonably distributed around the perimeter of the enclosed area unless there is clear justification for putting all openings on just one or two sides (such as in townhouses or buildings set into sloping sites).
- Where analysis indicates rates of rise and fall greater than 5 feet per hour, the total enclosed area shall be reduced accordingly.

### Design Professional

Name / Title: Jason M. Conn, P.E. President, Conn Engineering Consultants, Inc.  
 Address: 107 N. Bridge St., Linden, MI 48451  
 License Type: Professional Engineer  
 State: Arizona  
 License Number: 42266

### Installation Address

Customer and Installation Address:  
 Russ Folger  
 7555 Sparrow Hawk Road  
 Prescott Valley, AZ 86315

### Model Installed

Model Number: FOAL-G  
 Maximum total enclosed area that can be served for EACH individual vent: 263 Square Feet

Professional Engineering Seal



# ELEVATION CERTIFICATE SKETCH

## APN 103-01-217Z

SEC. 14, T15N, R1W, G & SRB & M., YAVAPAI COUNTY, ARIZONA

DATE OF SURVEY

APRIL, 2014

DRAWING SCALE

1 IN = 60 FT



N 4 COR SEC 14  
AL CAP LS 16826

### SPARROW HAWK RD

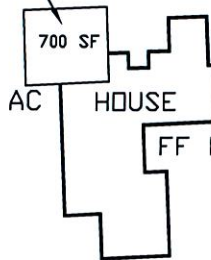
S89°55'27"W 263.14'

S00°05'01"E

331.45'

GARAGE  
FF E=4848.95'  
EMETER  
1,530 SF

GARAGE  
FF E=4851.35'



S00°05'26"E

331.09'

N89°54'45"E 263.12'



exp 3-15

**EMPIRE SURVEYING, Inc**  
P.O. BOX 67 PAULDEN AZ 86334  
PHONE (928)-636-6992

SURVEY FOR: FOLGER

DATE DRAWN: 4-15-14

DRAWN BY: DEF

FILE NO.: Y14059

DRAWING: 059Y14



# ELEVATION CERTIFICATE


**Important: Read the instructions on pages 1-9.**

OMB No. 1660-0008  
 Expiration Date: July 31, 2015

## SECTION A - PROPERTY INFORMATION

FOR INSURANCE COMPANY USE

A1. Building Owner's Name **RUSSELL and KAREN FOLGER**

Policy Number: 

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
**7555 E. SPARROW HAWK RD**

Company NAIC Number:

City **PRESCOTT VALLEY** State **AZ** ZIP Code **86315**

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)  
**APN 103-01-217Z, A PORTION OF LOT 7 ANTELOPE MEADOWS, SEC 14, T15N, R1W, G&SRB&M**

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) **RESIDENTIAL**

A5. Latitude/Longitude: Lat. **34 41'12.4"** Long. **112 19'56.9"** Horizontal Datum:  NAD 1927  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 **8**

A8. For a building with a crawlspace or enclosure(s):

A9. For a building with an attached garage:

- a) Square footage of crawlspace or enclosure(s) **2350** sq ft
- b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade **19**
- c) Total net area of flood openings in A8.b **2128** sq in
- d) Engineered flood openings?  Yes  No

- a) Square footage of attached garage **700** sq ft
- b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade **0**
- c) Total net area of flood openings in A9.b **0** sq in
- d) Engineered flood openings?  Yes  No

## SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number  
**YAVAPAI 040093**

B2. County Name  
**YAVAPAI COUNTY UNINCORPORATED AREA**

B3. State  
**AZ**

B4. Map/Panel Number  
**04025C1725**

B5. Suffix  
**G**

B6. FIRM Index Date  
**9-03-2010**

B7. FIRM Panel Effective/Revised Date  
**9-3-2010/10-8-2013**

B8. Flood Zone(s)  
**AE**

B9. Base Flood Elevation(s) (Zone AO, use base flood depth)  
**4851.646'**

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.

FIS Profile  FIRM  Community Determined  Other/Source: \_\_\_\_\_

B11. Indicate elevation datum used for BFE in Item B9:  NGVD 1929  NAVD 1988  Other/Source: \_\_\_\_\_

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?  Yes  No  
 Designation Date: **NA**  CBRS  OPA

## 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: **POQERM1** Vertical Datum: **4906.73' NAVD88**

Indicate elevation datum used for the elevations in items a) through h) below.  NGVD 1929  NAVD 1988  Other/Source: \_\_\_\_\_

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>4847.75</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| b) Top of the next higher floor  | <u>4852.65</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only)  | <u>NA</u>      | <input type="checkbox"/> feet <input type="checkbox"/> meters            |
| d) Attached garage (top of slab)   | <u>4851.35</u> | <input checked="" 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>4851.8</u>  | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG)   | <u>4848.3</u>  | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG)  | <u>4848.7</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>4848.5</u>  | <input checked="" 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.

- Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No
- Check here if attachments.

Certifier's Name **DALE FAMAS**

License Number **LS 27738**

Title **LAND SURVEYOR**

Company Name **EMPIRE SURVEYING**

Address **PO BOX 67**

City **PAULDEN**

State **AZ** ZIP Code **86334**

Signature 

Date **5-29-14**

Telephone **(928)-636-6992**



**ELEVATION CERTIFICATE, page 2**

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>	<b>FOR INSURANCE COMPANY USE</b>
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 7555 E. SPARROW HAWK RD	Policy Number:
City PRESCOTT VALLEY State AZ ZIP Code 86315	Company NAIC Number:

**SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)**

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments WOOD FRAME HOUSE ELEVATED ON A CRAWLSPACE FINISHED FLOOR ELEV= 4852.65', ATTACHED GARAGE ON RAISED SLAB FF ELEV= 4851.35', GAS WATER HEATER ON PEDESTAL IN GARAGE ELEV= 4853.35', GAS FURNACE ON PEDESTAL IN GARAGE ELEV= 4853.35', ELECTRIC PANEL IN GARAGE ELEV= 4854.45', EVAPORATIVE COOLER ON PEDESTAL AT SW CORNER OF GARAGE ELEV= 4851.8' 2 STORY, 1530 SF, DETACHED GARAGE FF ELEV= 4848.95', NO FLOOD VENTS ELECTRIC METER PANEL ON NW CORNER OF DETACHED GARAGE ELEV= 4851.0'

Signature *Dale Jarama* Date 5-29-14

**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 Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is \_\_\_\_\_  feet  meters  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?  Yes  No  Unknown. The local official must certify this information in Section G.

**SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION**

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name

Address City State ZIP Code

Signature Date Telephone

Comments

Check here if attachments.

**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

*Insurance*

Check here if attachments.

# Building Photographs

See Instructions for Item A6.

**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.  
7555 E. SPARROW HAWK RD

Policy Number:

City PRESCOTT VALLEY

State AZ

ZIP Code 86315

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.



HOUSE AND DETACHED

GARAGE LOOKING SOUTHEAST FROM ROAD 4-14-2014



FRONT AND EAST SIDE OF

HOUSE LOOKING SOUTHWEST FROM ROAD 4-14-2014

# Building Photographs

Continuation Page

**IMPORTANT: In these spaces, copy the corresponding information from Section A.**

FOR INSURANCE COMPANY USE	
Policy Number:	
Company NAIC Number:	

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
7555 E. SPARROW HAWK RD

City PRESCOTT VALLEY

State AZ

ZIP Code 86315

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.



REAR AND WEST SIDE OF

HOUSE LOOKING NORTHEASTERLY 4-14-2014



FRONT AND EAST SIDE OF DETACHED GARAGE  
LOOKING SOUTHWEST FROM ROAD 4-14-2014

BACK AND WEST SIDE OF DETACHED GARAGE LOOKING  
NORTHEASTERLY 4-14-2014