CARSON CITY NEVADA
Consolidated Municipality and State Capital
PUBLIC WORKS

MEMO OF REVIEW FOR CORRECTNESS AND COMPLETION

In accordance with this community's participation in the National Flood Insurance Program's Community Rating System, all FEMA Elevation Certificates must be correct and complete. The attached Certificate has some incorrect items which are noted here.

SECTION A - PROPERTY INFORMATION | For Insurance Company Use:

A1. Building Owner's Name C. HOLLAND ENTERPRISES LLC | Policy Number

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5060 HWY 50 E | Company NAIC Number

City CARSON CITY State NV ZIP Code 89706

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) APN # 008-382-11

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

A5. Latitude/Longitude: Lat. _____ Long. _____ 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 _____

A8. For a building with a crawl space or enclosure(s), provide
- a) Square footage of crawl space or enclosure(s) _____ sq ft
- b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade _____
- c) Total net area of flood openings in A8.b _____ sq in

A9. For a building with an attached garage, provide:
- a) Square footage of attached garage _____ sq ft
- b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____
- c) Total net area of flood openings in A9.b _____ sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
320001/0112					

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 (Describe) _____

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐Yes ☐No
Designation Date _____ ☐ 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-g below according to the building diagram specified in Item A7.
Benchmark Utilized _____ Vertical Datum _____
Conversion/Comments _____

COMMENTS:
PER Scott Mulligan, P.E., I WAS INSTRUCTED TO CORRECT & INITIAL

Date of Review: 6/25/18 **Community Official:** _____

3505 Butti Way, Carson City, NV 89701 (775) 887-2355 FAX (775) 887-2112
Operations: Water, Sewer, Streets, Wastewater, Landfill, Environmental
Engineering, Transportation, Capital Projects

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

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.

SECTION A – PROPERTY INFORMATION		FOR INSURANCE COMPANY USE
A1. Building Owner's Name Carson City Towing (C. Holland Enterprises LLC) S.M.		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5060 Highway 50 East		Company NAIC Number:
City Carson City	State Nevada	ZIP Code 89706

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Carson City Assessor's Parcel 008-382-11

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Nonresidential Office and Garage

A5. Latitude/Longitude: Lat. 39.186505N Long. 109.710356 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 1B

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

a) Square footage of crawlspace or enclosure(s) N/A sq ft

b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade N/A

c) Total net area of flood openings in A8.b 0.00 sq in

d) Engineered flood openings? ☐ Yes ☒ No

A9. For a building with an attached garage:

a) Square footage of attached garage 1600.00 sq ft

b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 7

c) Total net area of flood openings in A9.b 1841.00 sq in

d) Engineered flood openings? ☒ Yes ☐ No

SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
Carson City 320001	Carson City	Nevada

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/ Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth)
320001 0112 S.M.	E	02-19-2014	01-16-2009	A, AE	4619.8

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: ☐ CBRS ☐ OPA

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. 5060 Highway 50 East			Policy Number:
City Carson City	State Nevada	ZIP Code 89706	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: USGS V-357 Vertical Datum: 4633.24

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)	4619.81	☒ feet	☐ meters
b) Top of the next higher floor	S.M. N/A	☐ feet	☐ meters
c) Bottom of the lowest horizontal structural member (V Zones only)	S.M. N/A	☐ feet	☐ meters
d) Attached garage (top of slab)	4618.13	☒ feet	☐ meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	4623.90	☒ feet	☐ meters
f) Lowest adjacent (finished) grade next to building (LAG)	4618.09	☒ feet	☐ meters
g) Highest adjacent (finished) grade next to building (HAG)	4618.30	☒ feet	☐ meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	4618.59	☒ feet	☐ 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 Scott Mulligan, P.E.	License Number 18962	
Title Civil Engineer		
Company Name Mountain Sage Consulting, LLC.		
Address P.O. Box 1174		
City Carson City	State Nevada	ZIP Code 89702

Signature	Date	Telephone	Ext.
Scott Mulligan	05-31-2017	(775) 720-4121	H) 267-4759 S.M.

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)

Elevation control was based on USGS monument V-357 with and elevation of 4633.24', a site construction monument was established by Tri-State Surveying, in the southwest corner of the parcel, with an elevation of 4617.56'. All site elevations are referenced to the USGS Monument through this monument.

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. 5060 Highway 50 East			Policy Number:
City Carson City	State Nevada	ZIP Code 89706	Company NAIC Number

SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

NOT Needed S.m.

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 0.51 ☒ feet ☐ meters ☒ above or ☐ below the HAG.

b) Top of bottom floor (including basement, crawlspace, or enclosure) is 1.72 ☒ 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 1–2 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 1.50 ☒ feet ☐ meters ☐ above or ☒ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is 4.60 ☒ 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 or Owner's Authorized Representative's Name

C. Holland Ent LLC / 5060 Hwy 50 E	Carson City	NV	89701
Address	City	State	ZIP Code
[signature]	6-5-17	530-375-0195	
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. 5060 Highway 50 East			Policy Number:
City Carson City	State Nevada	ZIP Code 89706	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

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)

-see architects stamped memo of Flood Resistive materials

☐ Check here if attachments.

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 USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5060 Highway 50 East			Policy Number:
City Carson City	State Nevada	ZIP Code 89706	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.

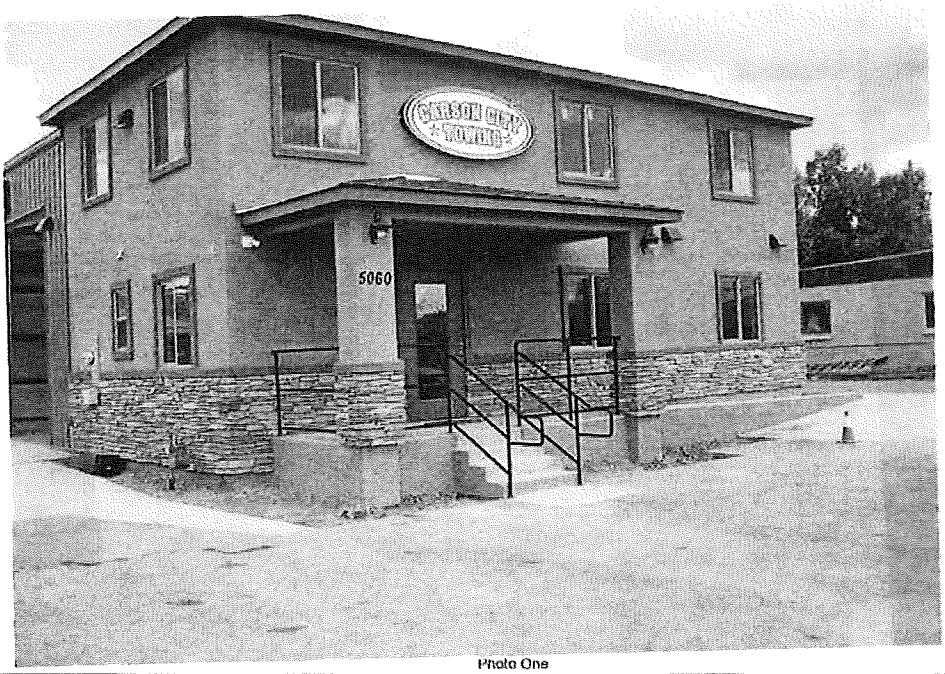


Photo One

Photo One Caption

Clear Photo One

Photo Two Captic

Clear Photo Two

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS

Continuation Page

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. 5060 Highway 50 East			Policy Number:
City Carson City	State Nevada	ZIP Code 89706	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

Photo Three

Photo Three Caption

Clear Photo Three

Photo Four

Photo Four

Photo Four Caption

Clear Photo Four

Robert M. Darney, Architect

490 Hot Springs Road Carson City, Nevada 89706
NEVADA ARIZONA

June 21, 2017

Carson City Engineering
Stormwater
Carson City, Nevada

Project: New Building
CCBD Project No: 16-1459
Project Address: 5060 Hwy 50E

Attn: Robb Fellows,
Senior Project Manager-Stormwater

Robb,
Flood resistive materials were installed up to 2 feet above the BFE. See prior EC based on plans.

Thank you,

Robert Darney

ARCHITECTURE PLANNING DESIGN SCALE MODELS
TEL: (775) 883-3444 FAX: (775) 882-4016 EMAIL: darneyarch@sbcglobal.net

Certification of Engineered Flood Openings

In accordance with NFIP, FEMA Technical Bulletin 1-08 and ASCE/SEI 24-14

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 24-14.

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 24-14, Section 2.6.2.2 and the following design assumptions listed below.

Design Assumptions:

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

Area of Engineered Openings per ASCE 24, Section 2.6.2.2

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

Where:

A_o =	Total Net Area of Openings Required (in^2)
0.033 =	Coefficient Corresponding to a Factor of Safety of 5.0 ($in^2 \cdot hr/ft^3$)
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^2)

Maximum Area Coverage in Square Feet per Vent for each Model

Model	Height (in.)	Width (in.)	A_o (in^2)	Constant ($in^2 \cdot hr/ft^3$)	c	R (ft/hr)	A_e* (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 it's 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:

1. 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.
2. The bottom of all openings shall be no higher than one foot above grade that is immediately under each opening.
3. Openings may be equipped with screens, louvers, valves or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.
4. 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).
5. 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:	**Nevada**
License Number:	**0 17258**

Installation Address

Customer and Installation Address:

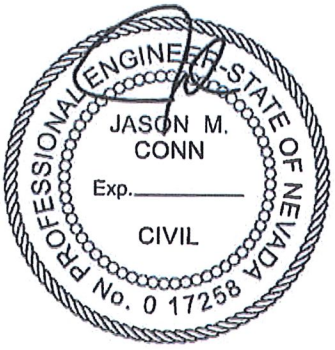
5060 Highway 50 East
Carson City, Nevada APN 16-195-20

Model Installed

Model Number: **FAAL-G**

Maximum total enclosed area that can be served for **EACH** individual vent: **263 Square Feet**

Professional Engineering Seal



Certification of Engineered Flood Openings

In accordance with NFIP, FEMA Technical Bulletin 1-08 and ASCE/SEI 24-14

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 24-14

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 24-14, Section 2 6 2 2 and the following design assumptions listed below

Design Assumptions:

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

Area of Engineered Openings per ASCE 24, Section 2.6.2.2

$A_o = (0\ 0333)[1/c]R(A_e) \rightarrow Ae = Ao / [(0\ 0333)[1/c]R]$

Where:

A_o =	Total Net Area of Openings Required (in^2)
0 033 =	Coefficient Corresponding to a Factor of Safety of 5 0 (in^2 hr/ft^3)
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^2)

Maximum Area Coverage in Square Feet per Vent for each Model

Model	Height (in)	Width (in)	A_o (in^2)	Constant (in^2 hr/ft^3)	c	R (ft/hr)	A_e* (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 it's 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:

1. 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
2. The bottom of all openings shall be no higher than one foot above grade that is immediately under each opening
3. Openings may be equipped with screens, louvers, valves or other coverings or devices provided that they permit the automatic entry and exit of floodwaters
4. 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)
5. 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:	**Nevada**
License Number:	**0 17258**

Professional Engineering Seal

7/14/16

Installation Address

Customer and Installation Address:

5060 Highway 50 East
Carson City, Nevada APN 16-195-20

Model Installed

Model Number: **FAAL-G**

Maximum total enclosed area that can be served for **EACH** individual vent: **263 Square Feet**

Certification Date: 7/14/2016