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: ADAMS 308 N. CURRY LLC	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 315 N NEVADA ST.	Company NAIC Number:
City: CARSON CITY — State: NV — ZIP Code: 89703	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.): APN: 003-228-02	

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

A5. Latitude/Longitude: Lat. 39°09'57"N Long. 119°46'06"W 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) 0 sq ft

b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 0

c) Total net area of flood openings in A8.b 0 sq in

d) Engineered flood openings? ☐ Yes ☒ No

A9. For a building with an attached garage:

a) Square footage of attached garage 1,150 sq ft

b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 6

c) Total net area of flood openings in A9.b 768 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	NV

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)
32001C0492	~~G~~ F (RD)	~~12/22/16~~ 2/19/14 (RD)	~~12/22/16~~ 2-19-14 (RD)	AO	4685.32' DEPTH 1'

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. 315 N NEVADA ST.	Policy Number:
City: CARSON CITY, State: NV, ZIP Code: ☑ 89703	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: GPS POINT No. DH6073 Vertical Datum: 9662.5 FEET (NAVD 88)

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)	4686.32	☒ feet ☐ meters
b) Top of the next higher floor	4699.49	☒ feet ☐ meters
c) Bottom of the lowest horizontal structural member (V Zones only)	N/A	☐ feet ☐ meters
d) Attached garage (top of slab)	4686.0	☒ feet ☐ meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) (RD)	~~4685.0~~ 4685.8	☒ feet ☐ meters
f) Lowest adjacent (finished) grade next to building (LAG)	4686.46	☒ feet ☐ meters
g) Highest adjacent (finished) grade next to building (HAG)	4686.80	☒ feet ☐ meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	4686.68	☒ 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: ROBERT DARNEY	License Number: 3044
Title: ARCHITECT	
Company Name: ROBERT M. DARNEY, ARCHITECT	
Address: 3655 Arrowhead Dr. #142	
City: CARSON CITY State: NV ZIP Code: ☑ 89706	
Signature: [signature] Date: 10-16-18 Telephone: 775-721-7563 Ext.	

ROBERT DARNEY NEVADA Seal 10-16-18 Here

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)

AC UNITS ARE ON THE GROUND

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. 315 N NEVADA ST	Policy Number:
City: CARSON CITY, State: NV ZIP Code: 89703	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 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 _____ ☐ 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 or Owner's Authorized Representative's Name

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. 315 N NEVADA ST.			Policy Number:
City CARSON CITY	State NV	ZIP Code 89703	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)

☐ 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. 315 N NEVADA ST.			Policy Number:
City CARSON CITY	State NV	ZIP Code ☑ 89703	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.

NORTHWEST VIEW
10/10/18

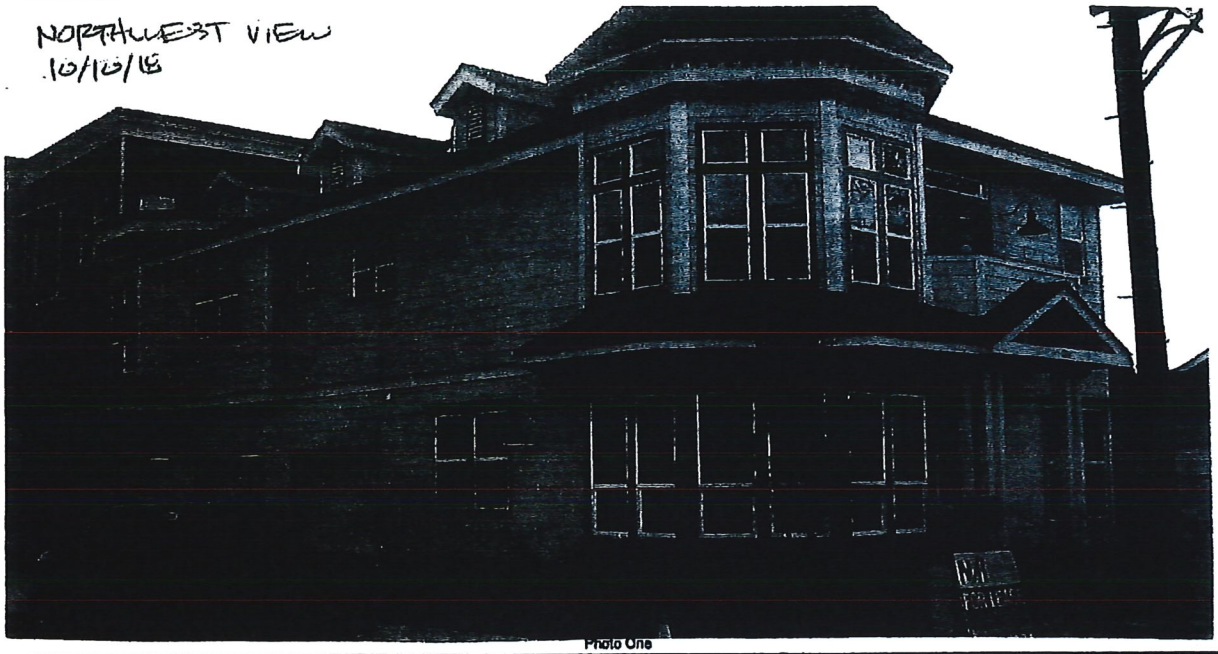


Photo One

Photo One Caption

Clear Photo One

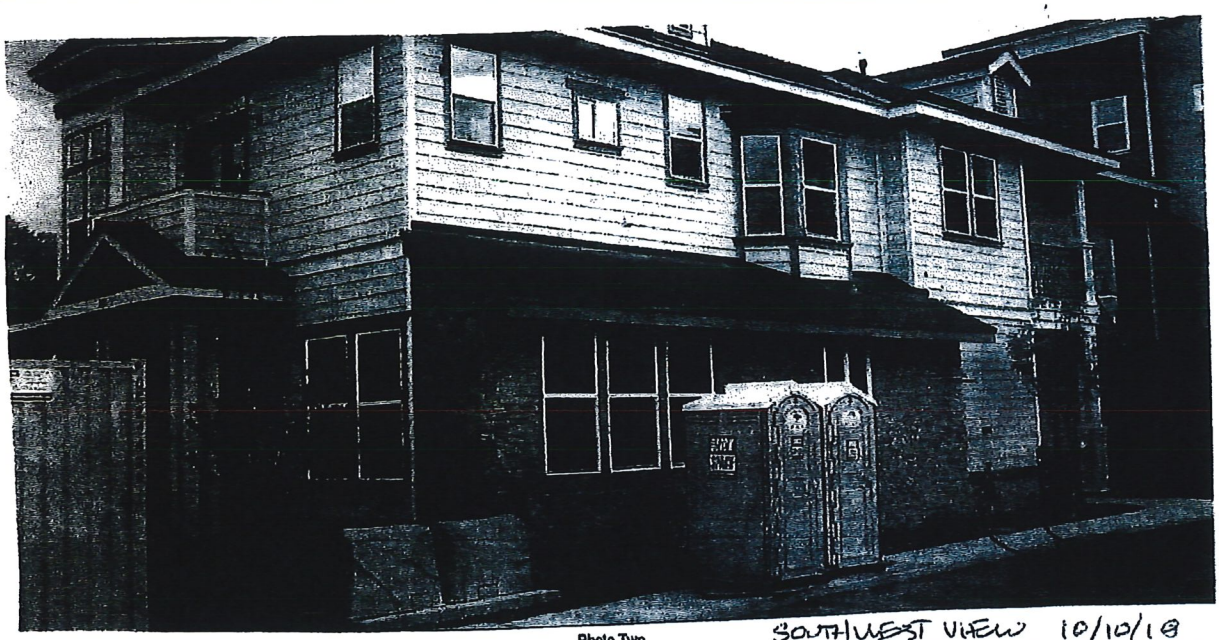


Photo Two

SOUTHWEST VIEW 10/10/18

Photo Two Caption

Clear Photo Two

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS
Continuation Page

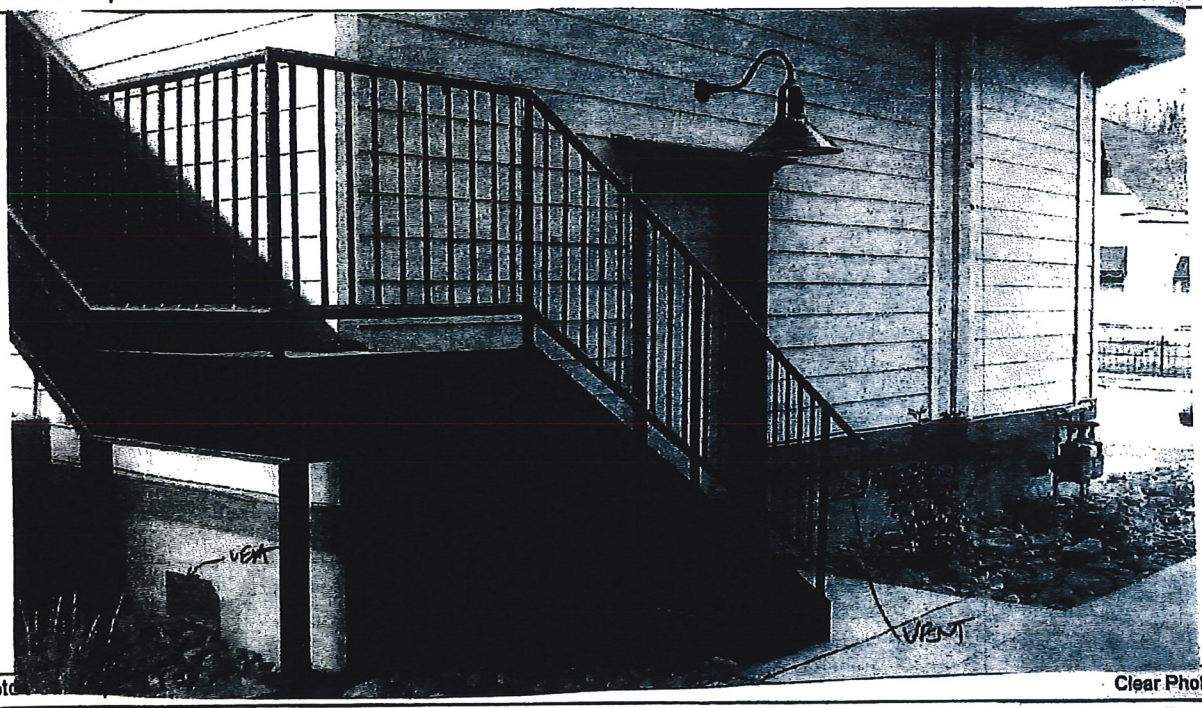
OMB No. 1660-0008
Expiration Date: November 30, 2018

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. 315 N NEVADA ST.			Policy Number:
City CARSON CITY	State NV	ZIP Code 89703	Company NAIC Number

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

Photo Three Caption

Clear Photo Three



Photo

Clear Photo Four

Robert M. Darney, Architect

3655 Arrowhead Dr. #142, Carson City, Nevada 89706
NEVADA ARIZONA

October 30, 2018

Carson City Public Works
108 E. Proctor St.
Carson City, Nevada 89701

Attn: Stephen Pottey, PE

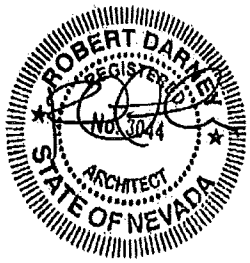
Project: 308 N. Curry St.
CCBD Project No: 15-1084
Project Address: 308 N. Curry St., Carson City, NV

Flood Resistive materials for Building 'B' 308 N. Curry St. Project:

1. The Building has poured concrete floors and stemwalls up to elevation 4688.7'. No wood framing is below this line.
2. Siding materials: a. Cementous horiz. lap, painted.
   b. Cultured stone veneer. (Eldorado Stone)
3. Insulation: Rigid foam under slab.
4. No wall sheathing has been installed below 4688.7'.
5. No electrical outlets have been installed below 4688.7'.
6. Flood Vents installed: USA Foundation Flood Air Vents
   Model: FAAL

Thank You,

Rob Darney



ARCHITECTURE PLANNING DESIGN SCALE MODELS
TEL: (775) 721-7563 FAX: (775) 882-9430 EMAIL: darneyarch@sbcglobal.net

APPLIED ENGINEERING
CONSULTANT SERVICES

4825 Convair Drive, Suite 17; Carson City, Nevada 89706
Telephone (775) 888-9939; appliedeng@pyramid.net

October 23, 2018
Project No. 125-649-17

Mr. Stephen Pottey, P.E.
Carson City Public Works
108 E. Proctor Street
Carson City, Nevada 89701

Re: Flood Vent Cerification
Proposed 308 N. Curry Street Building Project
Building B Garages 8, 9 and 10
308 N. Curry Street (APN: 003-228-04)
Building Permit No.: 18-214
Carson City, Nevada

Dear Mr. Pottey:

This letter is to certify that all required flood vents for Proposed 308 N. Curry Street Building Project Building B - Garages 8, 9 and 10 have been installed per the design and permitted drawings from Robert Darney, Project Architect (See Sheet B1R attached) as filed with the Carson City Public Works and Community Development Department. Sheet B1R exhibits each garage space within the flood plain and the respective flood vent size calculation for each space within Building B. Two (2) flood vents were provided for each garage space.

We appreciated the opportunity to provide our professional services in completing the project. Upon your review, if additional information is needed or if we can be of further assistance, please call our office at your earliest convenience.

Sincerely,

Gary L. Hopper, P.E.
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER-STATE OF NEVADA
GARY L. HOPPER
CIVIL
No. 08070
exp 7/19
10/23/18

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-W, FOAL-B, FAAL, RFPC and RFSS) are designed in accordance with the requirements of the 2011 NFIB "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:

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
FAAL	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.

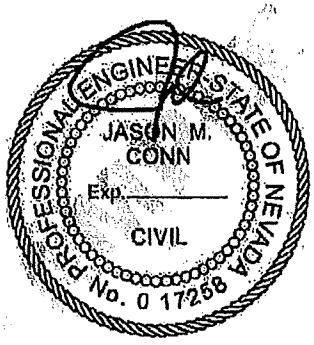
FEMA/ NFIP Limitations and Installation Requirements:

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



Installation Address

Customer and Installation Address:
Name: **SAMPLE**
Address: **SAMPLE**
City, State, Zip: **SAMPLE**

Model Installed

Model Number: **NOT APPLICABLE**
Maximum total enclosed area that can be served for **EACH** individual vent: **SEE TABLE ABOVE**

Certification Date: 5/23/2014

FLOOD AIR
POWDER COATED & STAINLESS STEEL
MODELS: FAAL & FA-316

USA FOUNDATION FLOOD AIR VENTS
Save Money. Save Time

FIGURE 1

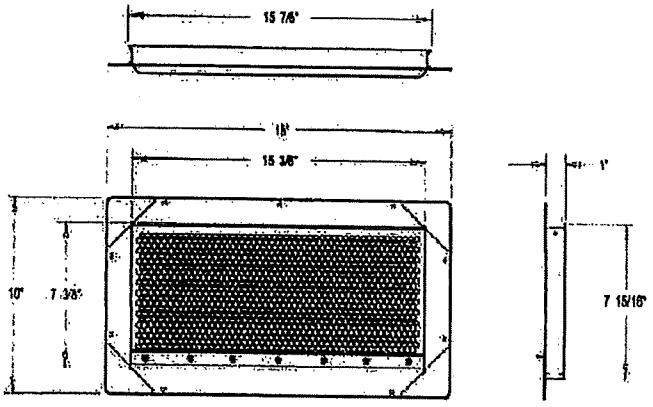


FIGURE 2 – ROUGH OPENING DIAGRAM

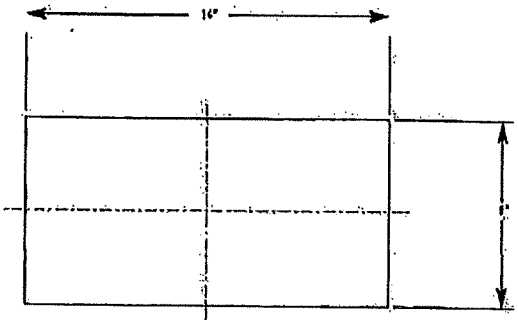


FIGURE 3 – BLOCK WALL INSTALLATION

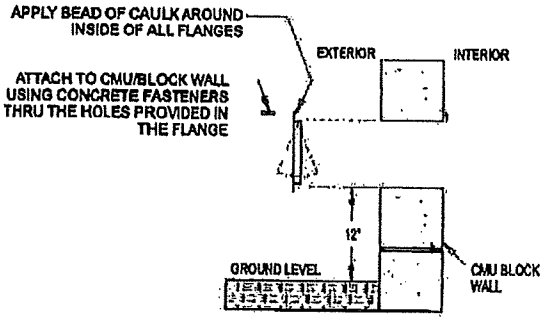
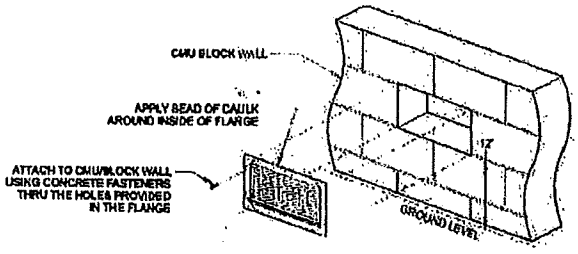


FIGURE 4 – BLOCK WALL INSTALLATION



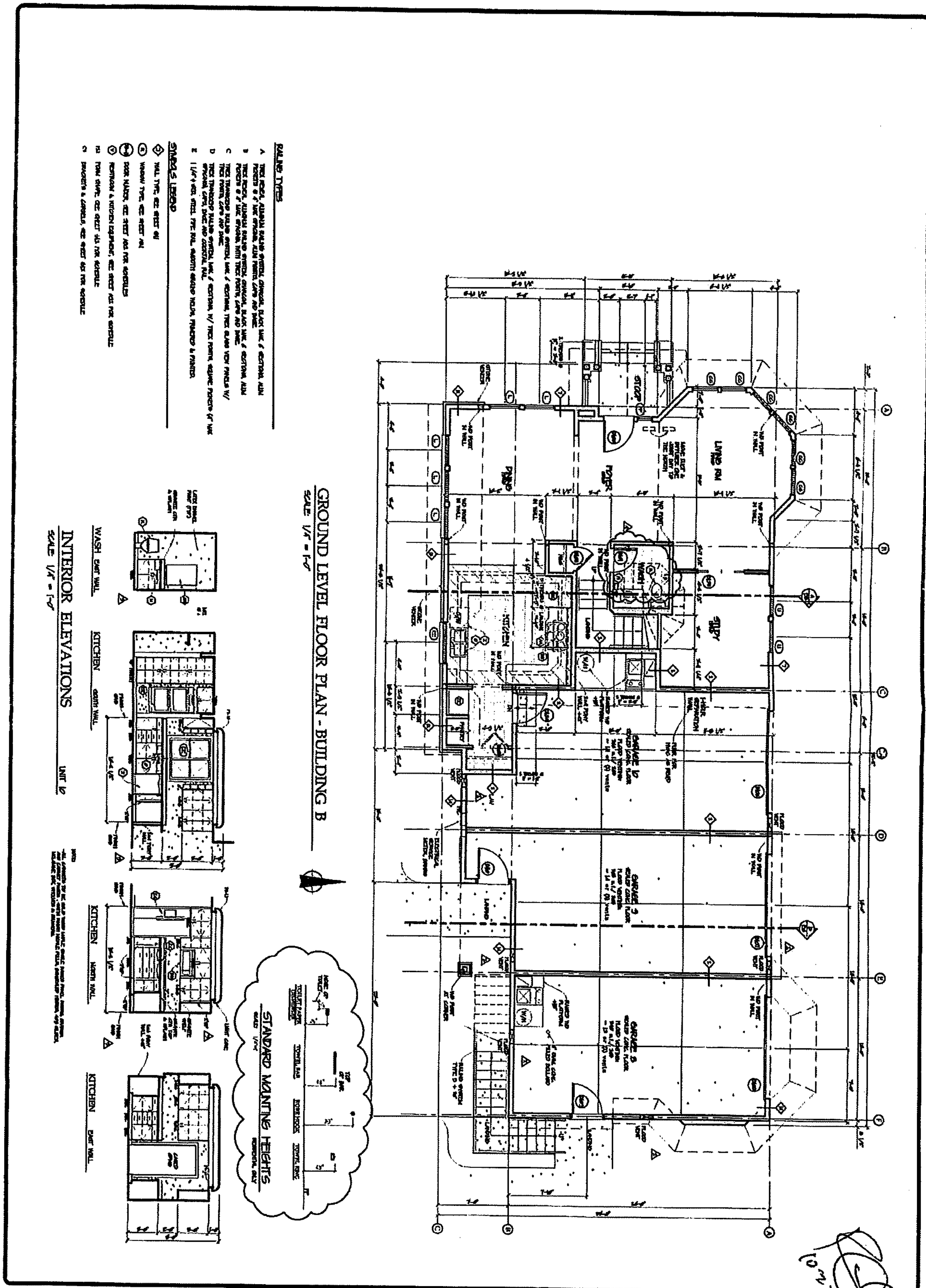
NOTE: **Clear** caulk is recommended for best results.

AVAILABLE COLORS FOR POWDER COATING

- Grey
- White
- Black

www.usafloodairvents.com

56 West Main Street, Kings Park, NY 11754 **800-USA-1993 (800-872-1993) • 631-269-1872**



ROBERT M. DARNEY
ARCHITECT
Design Development Planning
490 Hot Springs Rd. Carson City, NV 89706
PHONE: (775)883-3444 FAX: 882-4016
E-MAIL: darneyarch@sbcglobal.net

PROJECT
A BUILDING RE-BUILD & ADDITIONS
FOR
308 N CURRY LLC
308 N. CURRY ST. CARSON CITY, NEVADA

SHEET TITLE
GROUND LEVEL FLOOR PLAN, BUILDING B

DATE	4-6-2016
DESIGN BY	RMD
DRAWN BY	RMD
SCALE	AS SHOWN
SHEET No.	B1 R