U.S. DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
National Flood Insurance Program

ELEVATION CERTIFICATE

IMPORTANT: Follow 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: MICHAEL L. TUTTLE — Policy Number:

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 1360 E. 4TH N. ST. — Company NAIC Number:

City: MOUNTAIN HOME State: ID. ZIP Code: 83647

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
LOT 11, BLK 2, EVERETT SUB NO. 2, PARCEL #RPA00540020110

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

A5. Latitude/Longitude: Lat. 43°08'05.83" Long. 115°40'57.11" 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: 9

A8. For a building with a crawlspace or enclosure(s):
- a) Square footage of crawlspace or enclosure(s): 918.54 sq ft
- b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: 4
- c) Total net area of flood openings in A8.b: 456 sq in
- d) Engineered flood openings? ☒ Yes ☐ No

A9. For a building with an attached garage:
- a) Square footage of attached garage: N/A sq ft
- b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: N/A
- c) Total net area of flood openings in A9.b: N/A 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
CITY OF MOUNTAIN HOME	ELMORE COUNTY	IDAHO

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)
160058 0005	C	03/15/1994	03/15/1994	AO	2FT

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

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: C170 / OZ0569 Vertical Datum: 3142.76 NGVD-1929

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)	3139 . 00	☒ feet	☐ meters
b) Top of the next higher floor	3141 . 90	☒ feet	☐ meters
c) Bottom of the lowest horizontal structural member (V Zones only)	N/A .	☐ feet	☐ meters
d) Attached garage (top of slab)	N/A .	☐ feet	☐ meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	3139 . 66	☒ feet	☐ meters
f) Lowest adjacent (finished) grade next to building (LAG)	3139 . 03	☒ feet	☐ meters
g) Highest adjacent (finished) grade next to building (HAG)	3139 . 46	☒ feet	☐ meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	3139 . 25	☒ feet	☐ meters

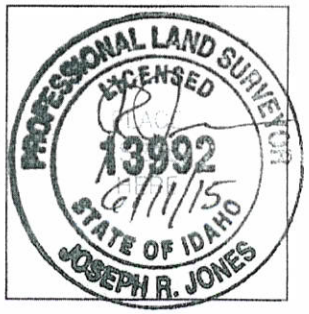
SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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.*

☐ Check here if comments are provided on back of form.
☐ Check here if attachments.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No

Certifier's Name	License Number		
JOSEPH R. JONES	13992		
Title: LAND SURVEYOR	Company Name: JJ HOWARD ENG.		
Address: 5983 W. STATE ST., STE. D	City: BOISE	State: IDA	ZIP Code: 83703
Signature	Date: 06/11/2015	Telephone: (208) 846-8937	



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. 1360 E. 4TH N. ST.			Policy Number:
City MOUNTAIN HOME	State ID.	ZIP Code 83647	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: The elevations are new building construction.
The lowest equipment servicing the building is an A.C. unit located on the west side of the building
The flood openings are Certified Engineered Flood Openings (see attached certificate)

Signature [signature] Date 6/11/15

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 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

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

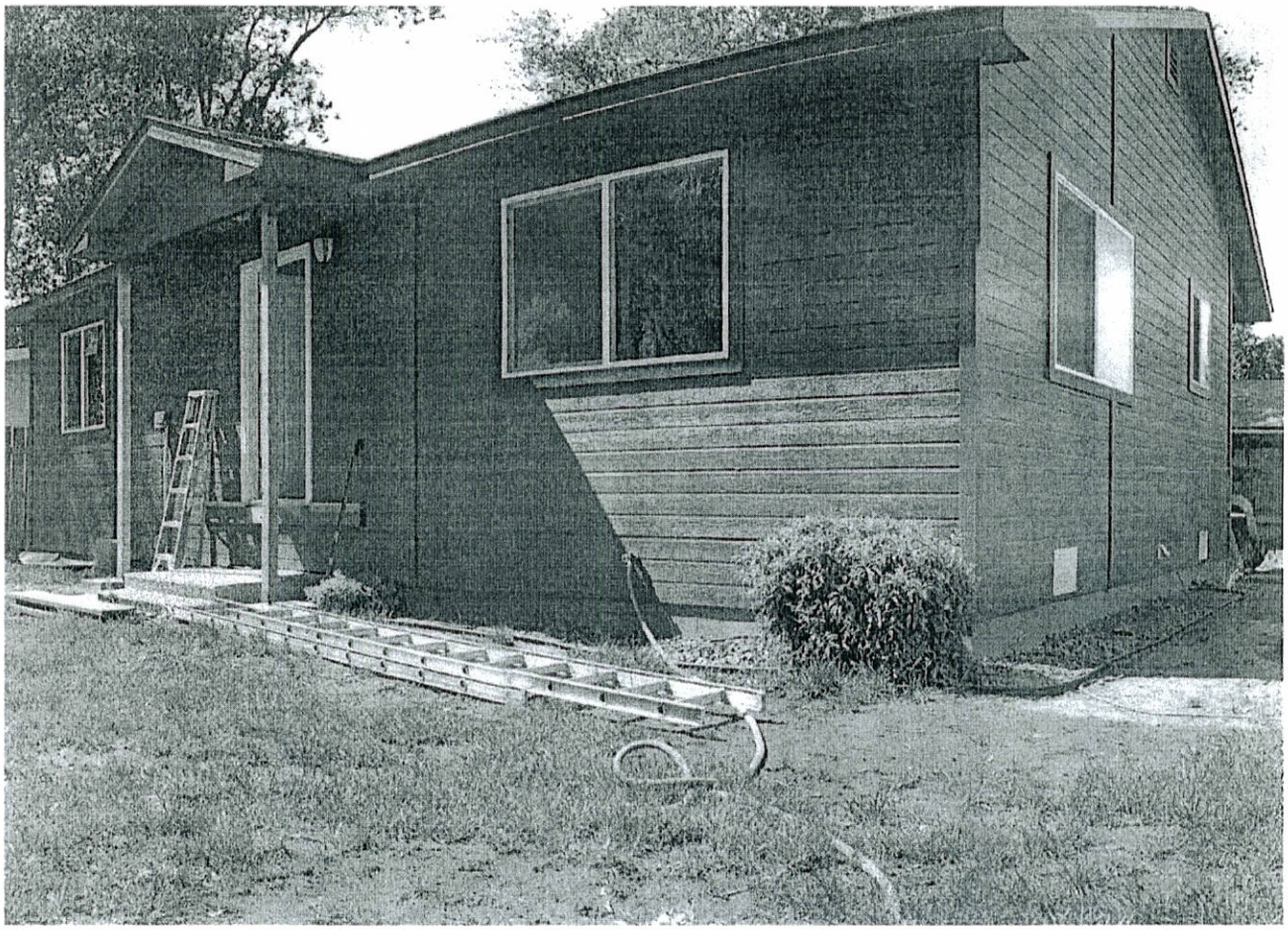
☐ Check here if attachments.

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. 1360 E. 4TH N. ST.			Policy Number:
City MOUNTAIN HOME	State ID.	ZIP Code 83647	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.

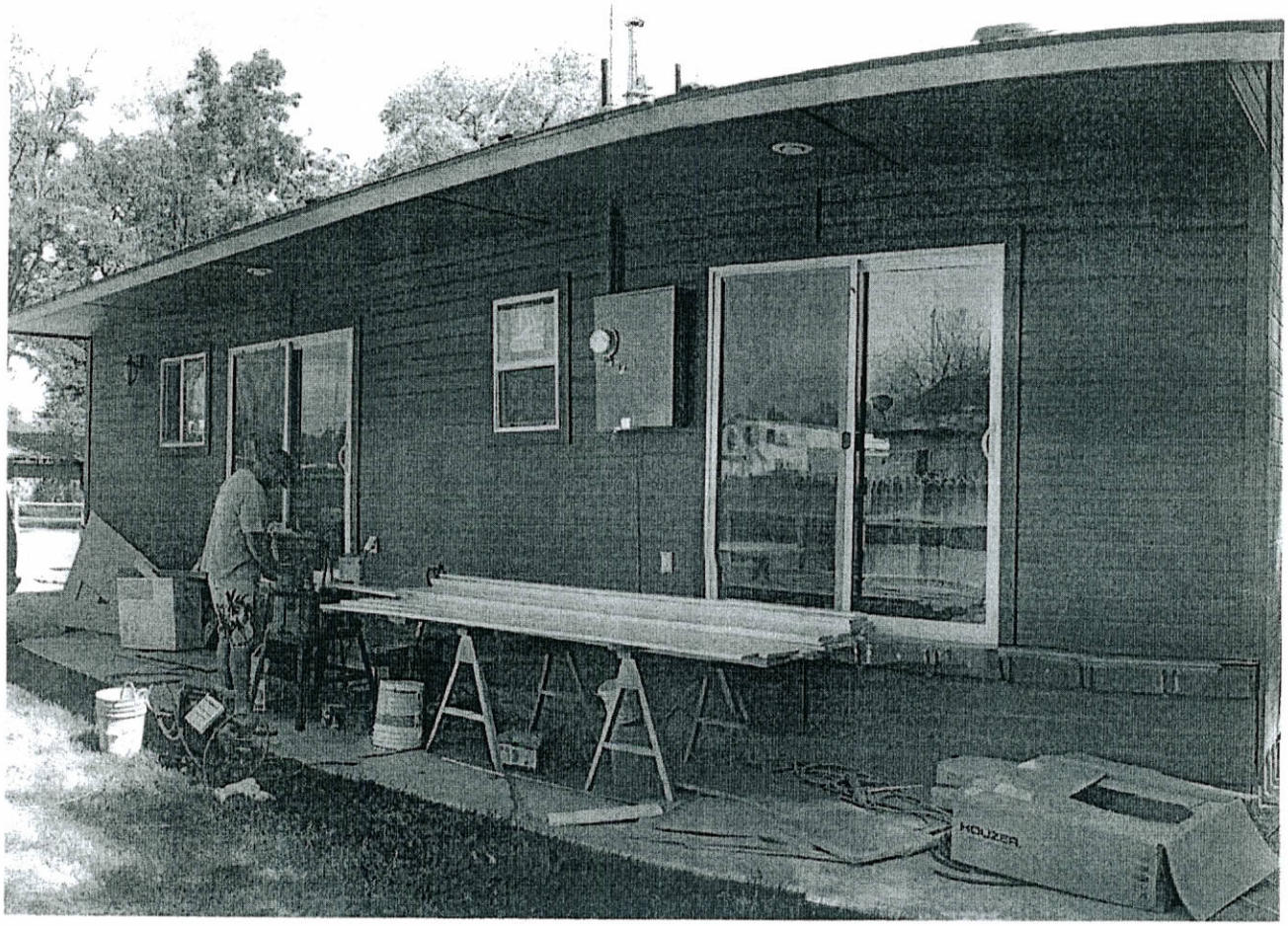


BUILDING PHOTOGRAPHS

Continuation Page

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. 1360 E. 4TH N. ST.			Policy Number:
City MOUNTAIN HOME	State ID.	ZIP Code 83647	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.



ARAN & FRANKLIN

ENGINEERING

501 S. NOBLE RD.
TEXAS CITY, TX 77591

June 19, 2014

Certificate of Engineered Flood Openings

I do hereby certify that the American Flood Vent, model number EV-1 and EV-2, properly installed and sized in accordance with the Federal Emergency Management Agency's National Flood Program Regulations (44 CFR 60.3(c)(5)) and National Flood Insurance Program, Technical Bulletin TB-1 (August 2008) is designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for entry and exit of floodwater. Satisfies 2 cubic inch per square inch of enclosed area.

I also hereby certify that I have calculated the minimum required net free area and selected opening size for the enclosure based on the flood forces. The engineered opening calculations are for the selected opening size listed in the EFO-EV-1 and 2 of 2 openings in 4" Concrete Walls for Building(s) located in Special Flood Hazard Areas in accordance with the National Flood Insurance Program (NFIP) 44 CFR 60.3 Flood Resistant Design and Construction, I have reviewed the size of each louver and the size of all obstructions to determine the net engineered net free opening size for each model.

Each area (space, room, garage) enclosing louver or other device shall be designed to allow automatic entry and exit of floodwaters during design flood or lesser flood conditions. There shall be a minimum of two openings on different sides of each enclosed area. If a building has more than one enclosed area below Base Flood Elevation (BFE), each area shall have openings. The bottom of each required opening shall be no more than one foot above the adjacent ground level. The difference between the exterior and interior floodwater levels shall not exceed 1 foot during base flood conditions. In the absence of reliable flood data on the rate of rise and fall, assume the maximum rate of rise and fall of 5 feet per hour. Where data or analysis indicate more rapid rates of rise and fall, the total net area of all required openings shall be increased to account for the actual rates of rise and fall.

Each vent Model EV-1 and EV-2 have been engineered to have 98 square inches of net free area and 2% greater net free openings with a lower profile, even more than the code requires for this type of vent.

Vents are not to be installed to exceed 12 inch above grade. All new service including utilities shall be elevated or protected to elevation required by State and Local Floodplain Management Ordinance or FEMA (NFIP) Regulations, to be installed in accordance with the manufacturer's instructions.

Sincerely,

Chandra Franklin Womack, P.E.

Aran & Franklin Engineering, Inc.
501 South Noble Road
Texas City, Texas 77591
State of Texas Professional Engineer
Professional License Number 105994

STATE OF TEXAS
CHANDRA FRANKLIN WOMACK
105994
LICENSED
PROFESSIONAL ENGINEER
6/19/14