

**V Zone Packet**  
**DEPARTMENT OF PUBLIC WORKS**  
**COUNTY OF HAWAI‘I**

**Notice regarding ELEVATION CERTIFICATE (FEMA Form 086-0-33)**

The ELEVATION CERTIFICATE shall be certified (with signature and seal) twice:

1. Construction Drawings (Section C1 of Form) to provide the proposed elevation at the building permit approval stage.
2. Finish Construction (Section C1 of Form) to verify the actual as-built elevation.

Upon request for Final Inspection of a structure with an ELEVATION CERTIFICATE, the applicant shall submit a certified ELEVATION CERTIFICATE (Finished Construction) to the Engineering Division (Hilo: 961-8327 or Kona: 327-3530) for further processing with the Building Division.

Note Section B item B11. of the ELEVATION CERTIFICATE.

You can check either box, as follows:



NGVD 1929

**-OR-**



Other/Source: LTD

Technically, NGVD 1929 (National Geodetic Vertical Datum 1929) does not exist for the State of Hawai‘i. The current vertical datums in Hawai‘i are Local Tide Datum (LTD), which is based on tidal observations for each island. Add “LTD,” as shown above.

Note: Section C item C2.e) and Section D Comments of the ELEVATION CERTIFICATE.

Section C2. E) must be completed by including the elevation of the Water Heater, Washer and/or Dryer, AC Unit, Electrical Panel, etc. - Whichever is lowest. In Section D Comments, include a description of the Section C2. e) related equipment type and location.

Building above the minimum base flood elevation may reduce your flood insurance premium (if required by your mortgage company). Consult with your insurance agent.

Attachments: Special Flood Hazard Area Certification Form  
Elevation Certificate (2 copies)  
Elevation Notation of Building Permit Plans

(ZONE V or VE)

CHAPTER 27 - FLOOD CONTROL
HAWAI'I COUNTY CODE

Project Description \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State Hawai'i Zip Code \_\_\_\_\_ TMK (3) \_\_\_\_\_

Section I -Flood Insurance Rate Map Information

Community No 155166 Panel No. \_\_\_\_\_ Suffix \_\_\_\_\_ Date of FIRM \_\_\_\_\_ FIRM Zone \_\_\_\_\_ Base Flood Elevation \_\_\_\_\_

Section II -Elevation Information

- 1 Bottom of Lowest Horizontal Structural Member \_\_\_\_\_ ft.
2 Base Flood Elevation (BFE) \_\_\_\_\_ ft.
3 Highest Natural Ground Elevation Adjacent to Proposed Walls \_\_\_\_\_ ft.
4 Lowest Natural Ground Elevation Adjacent to Proposed Walls \_\_\_\_\_ ft.

Section III -Zone V Certification Statement

I certify that based upon development and/or review of structural design, specifications, and plans for construction including consideration of flood hazard forces, that the design and methods of construction are in accordance with accepted standards of practice for meeting the following provisions.

- 1) are in compliance with the standards and requirements of the Hawai'i County Code, Chapter 27, Flood Control;
2) the bottom of the lowest horizontal structural member of the lowest floor is elevated to or above the BFE;
3) are designed and constructed to not adversely affect the flooding of surrounding properties;
4) fill is not used for structural support of buildings;
5) new construction and other development are located on the landward side of the reach of mean high tide.

Project plans and specifications include.

- 1) certification of building plans by a structural engineer or architect,
2) certification of the lowest reference floor elevation on each set of construction plans,
3) the location of flood hazard boundaries as determined from the latest FEMA Flood Insurance Rate Map;
4) the base flood elevations, velocity and other data from the Federal Flood Maps and/or other studies;
5) existing and proposed elevations of the property grade,
6) existing and proposed structures, utilities and improvements.

Section IV -Breakaway Wall Certification Statement

(For breakaway walls with a design safe loading resistance of not less than 10 and no more than 20 psf)

I certify that based upon development and/or review of structural design, specifications, and plans for construction that the design and methods of construction of the breakaway walls are in accordance with accepted standards of practice for meeting the following provisions.

- 1) Breakaway collapse shall result from a water load less than that which would occur during the base flood,
2) The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components;
3) The space below the lowest floor is useable solely for parking of vehicles, building access or storage.

Section V -Certification

This certification is conditioned upon the actual construction of the project being in strict accordance with the plans and specifications as stamped and signed by me.

Check one: Section III [ ] Sections III and IV [ ]

Affix Seal Below
(Structural Engineer or Architect)

Signature

Name (print or type) \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Date \_\_\_\_\_

## Elevation Certification of Building Permit Plans

Each set of the building permit plans shall include the elevation of the "lowest floor" or the bottom of the lowest horizontal structural member, whichever is applicable.

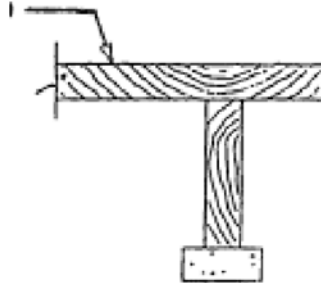
The applicable elevation notation, along with the Base Flood Elevation (BFE), shall be indicated on the plans' appropriate cross section. Refer to the examples shown below.

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### **For Flood Zones A, AE, and AH :**

Base Flood Elevation = \_\_\_\_\_ NGVD

Finish Floor Elevation = \_\_\_\_\_ NGVD

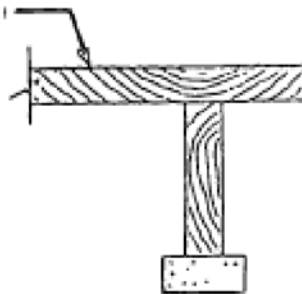


### **For Flood Zone AO :**

Highest Adjacent Grade = \_\_\_\_\_ NGVD

FIRM Flood Depth = \_\_\_\_\_ Feet

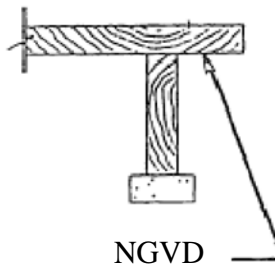
Finish Floor Elevation = \_\_\_\_\_ NGVD



### **For Flood Zone VE :**

Lowest Horizontal Structure Member = \_\_\_\_\_ NGVD

Base Flood Elevation = \_\_\_\_\_ NGVD



# 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		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.		Company NAIC Number:
City	State	ZIP Code
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) _____		
A5. Latitude/Longitude: Lat. _____ Long. _____		Horizontal Datum: <input type="checkbox"/> NAD 1927 <input 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 _____		
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) _____ sq ft		a) Square footage of attached garage _____ sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____		b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____
c) Total net area of flood openings in A8.b _____ sq in		c) Total net area of flood openings in A9.b _____ sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No		d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No

## 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 A0, use base flood depth)
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input 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 type="checkbox"/> No Designation Date: _____ / _____ / _____ <input type="checkbox"/> CBRS <input type="checkbox"/> 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: \_\_\_\_\_ Vertical Datum: \_\_\_\_\_

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

## SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

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		License Number	
Title	Company Name		
Address	City	State	ZIP Code
Signature	Date	Telephone	



**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.			Policy Number:	
City	State	ZIP Code	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

Signature

Date

**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–G9) 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.



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