

010-021-43

well #25

03-287

FEDERAL EMERGENCY MANAGEMENT AGENCY  
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077  
Expires December 31, 2005

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1 - 7.

<b>SECTION A - PROPERTY OWNER INFORMATION</b>			For Insurance Company Use:
BUILDING OWNER'S NAME Carson City		Policy Number	
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO. 5340 Hells Bells Road		Company NAIC Number	
CITY Carson City	STATE NV	ZIP CODE 89701	
PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)			
BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.) Non-residential/Public Service - Modification of existing well site			
LATITUDE/LONGITUDE (OPTIONAL) (##° - ##' - ##.###" or ###.#####")		HORIZONTAL DATUM: SOURCE: <input checked="" type="checkbox"/> GPS (Type): Trimble 4800 <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983 <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Other: _____	

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

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER City of Carson City - Community # 320001		B2. COUNTY NAME Carson City		B3. STATE NV	
B4. MAP AND PANEL NUMBER 0085	B5. SUFFIX C	B6. FIRM INDEX DATE 1996	B7. FIRM PANEL EFFECTIVE/REVISED DATE 03/16/1989	B8. FLOOD ZONE(S) A13	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding) 4602
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9. <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe): _____					
B11. Indicate the elevation datum used for the BFE in B9: <input checked="" type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe): _____					
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 _____					

**SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)**

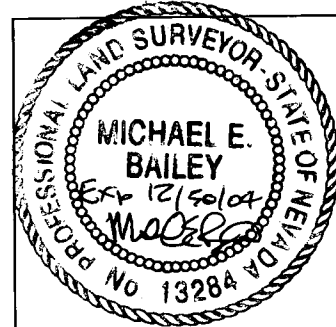
C1. Building elevations are based on:  Construction Drawings\*  Building Under Construction\*  Finished Construction  
\*A new Elevation Certificate will be required when construction of the building is complete.

C2. Building Diagram Number 1 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

C3. 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 C3.-a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.  
Datum NAVD 1929 Conversion/Comments Add 0.72 feet to conform to FIRM panel listed benchmarks  
Elevation reference mark used NGS BM Does the elevation reference mark used appear on the FIRM?  Yes  No

- o a) Top of bottom floor (including basement or enclosure) 4603. 0 ft.(m)
- o b) Top of next higher floor NA . ft.(m)
- o c) Bottom of lowest horizontal structural member (V zones only) NA . ft.(m)
- o d) Attached garage (top of slab) NA . ft.(m)
- o e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area) 4603. 33 ft.(m)
- o f) Lowest adjacent (finished) grade (LAG) 4596. 1 ft.(m)
- o g) Highest adjacent (finished) grade (HAG) 4596. 7 ft.(m)
- o h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade NA
- o i) Total area of all permanent openings (flood vents) in C3.h NA sq. in. (sq. cm)

License Number, Embossed Seal, Signature, and Date



**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 in Sections A, B, and C 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.  
CERTIFIER'S NAME Michael E. Bailey LICENSE NUMBER PLS 13284

TITLE Principal Surveyor	COMPANY NAME MACTEC Engineering and Consulting		
ADDRESS 1572 East College Parkway, Suite 162	CITY Carson City	STATE NV	ZIP CODE 89706
SIGNATURE <i>Michael E. Bailey</i>	DATE 8/28/03	TELEPHONE 775-888-9992	

<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. 5340 Hells Bells Road			Policy Number
CITY Carson City	STATE NV	ZIP CODE 89701	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**

Carson control monuments were used as an elevation basis for this survey. This control is based on NAVD 1929 datum and have been confirmed using NGS and USGS benchmarks located throughout the City limits. The benchmarks shown on the FIRM panel as RM 7 and RM 14 by Boyle Engineering are listed on the panel 0.72 feet higher than their actual elevation. This has been

established by field surveys. See attached exhibit for section of finished construction.

Check here if attachments

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

For Zone AO and Zone A (without BFE), complete Items E1 through E4. If the Elevation Certificate is intended for use as supporting information for a LOMA or LOMR-F, Section C must be completed.

- E1. Building Diagram Number \_\_ (Select the building diagram most similar to the building for which this certificate is being completed – see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)
- E2. The top of the bottom floor (including basement or enclosure) of the building is \_\_ ft.(m) \_\_ in.(cm)  above or  below (check one) the highest adjacent grade. (Use natural grade, if available).
- E3. For Building Diagrams 6-8 with openings (see page 7), the next higher floor or elevated floor (elevation b) of the building is \_\_ ft.(m) \_\_ in.(cm) above the highest adjacent grade. Complete items C3.h and C3.i on front of form.
- E4. The top of the platform of machinery and/or equipment servicing the building is \_\_ ft.(m) \_\_ in.(cm)  above or  below (check one) the highest adjacent grade. (Use natural grade, if available).
- E5. For 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, C (Items C3.h and C3.i only), 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, C, 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.

- G1.  The information in Section C was taken from other documentation that has been signed and embossed by a licensed surveyor, engineer, or architect who is authorized by state or local 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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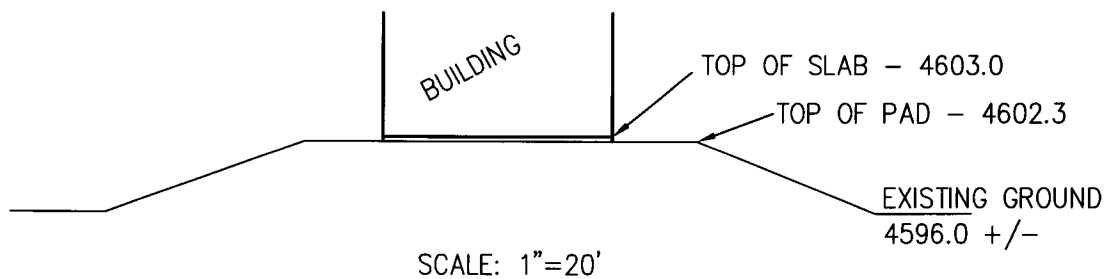
G7. This permit has been issued for:  New Construction  Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building is: \_\_\_\_\_ ft.(m) Datum: \_\_\_\_\_

G9. BFE or (in Zone AO) depth of flooding at the building site is: \_\_\_\_\_ ft.(m) Datum: \_\_\_\_\_

LOCAL OFFICIAL'S NAME	TITLE
COMMUNITY NAME	TELEPHONE
SIGNATURE	DATE
COMMENTS	

Check here if attachments



CARSON CITY WELL 25

FIGURE

EXHIBIT FOR FEMA CERTIFICATE  
FINAL BUILDING GRADES

1



Engineering, Surveying  
and Environmental Services

DRAWN	JOB NUMBER	APPROVED	DATE
MB	43010020001		8/15/03