

# ELEVATION CERTIFICATE

FEDERAL EMERGENCY MANAGEMENT AGENCY  
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No 3067-0077  
Expires May 31, 1993

FP99.21

Use of this certificate does not provide a waiver of the flood insurance purchase requirement. This form is used only to provide elevation information necessary to ensure compliance with applicable community floodplain management ordinances, to determine the proper insurance premium rate, and/or to support a request for a Letter of Map Amendment or Revision (LOMA or LOMR). Instructions for completing this form can be found on the following pages.

## SECTION A PROPERTY INFORMATION

<b>BUILDING OWNER'S NAME</b> Doug Long	<b>FOR INSURANCE COMPANY USE</b>
<b>STREET ADDRESS (Including Apt., Unit, Suite and/or Bldg. Number) OR P.O. ROUTE AND BOX NUMBER</b> 1895 Cascade Highway	<b>POLICY NUMBER</b>
<b>OTHER DESCRIPTION (Lot and Block Numbers, etc.)</b>	<b>COMPANY NAIC NUMBER</b>
<b>CITY</b> Salem	<b>STATE OR ZIP CODE</b> 97301

## SECTION B FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Provide the following from the proper FIRM (See Instructions):

1. COMMUNITY NUMBER 410154	2. PANEL NUMBER 0300	3. SUFFIX B	4. DATE OF FIRM INDEX 8/15/79	5. FIRM ZONE A	6. BASE FLOOD ELEVATION (In AO Zones, use depth)
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7. Indicate the elevation datum system used on the FIRM for Base Flood Elevations (BFE):  NGVD '29  Other (describe on back)
8. For Zones A or V, where no BFE is provided on the FIRM, and the community has established a BFE for this building site, indicate the community's BFE: 156.04 feet NGVD (or other FIRM datum—see Section B, Item 7).

## SECTION C BUILDING ELEVATION INFORMATION

1. Using the Elevation Certificate Instructions, indicate the diagram number from the diagrams found on Pages 5 and 6 that best describes the subject building's reference level \_\_\_\_\_.
2. FIRM Zones A1-A30, AE, AH, and A (with BFE). The top of the reference level floor from the selected diagram is at an elevation of 559.8 feet NGVD (or other FIRM datum—see Section B, Item 7).
3. FIRM Zones V1-V30, VE, and V (with BFE). The bottom of the lowest horizontal structural member of the reference level from the selected diagram, is at an elevation of \_\_\_\_\_ feet NGVD (or other FIRM datum—see Section B, Item 7).
4. FIRM Zone A (without BFE). The floor used as the reference level from the selected diagram is \_\_\_\_\_ feet above  or below  (check one) the highest grade adjacent to the building.
5. FIRM Zone AO. The floor used as the reference level from the selected diagram is \_\_\_\_\_ feet above  or below  (check one) the highest grade adjacent to the building. If no flood depth number is available, is the building's lowest floor (reference level) elevated in accordance with the community's floodplain management ordinance?  Yes  No  Unknown
6. Indicate the elevation datum system used in determining the above reference level elevations:  NGVD '29  Other (describe under Comments on Page 2). (NOTE: If the elevation datum used in measuring the elevations is different than that used on the FIRM [see Section B, Item 7], then convert the elevations to the datum system used on the FIRM and show the conversion equation under Comments on Page 2.)
7. Elevation reference mark used appears on FIRM:  Yes  No (See Instructions on Page 4)
8. The reference level elevation is based on:  actual construction  construction drawings  
(NOTE: Use of construction drawings is only valid if the building does not yet have the reference level floor in place, in which case this certificate will only be valid for the building during the course of construction. A post-construction Elevation Certificate will be required once construction is complete.)
9. The elevation of the lowest grade immediately adjacent to the building is: 557.4 feet NGVD (or other FIRM datum—see Section B, Item 7).

## SECTION D COMMUNITY INFORMATION

1. If the community official responsible for verifying building elevations specifies that the reference level indicated in Section C, Item 1 is not the "lowest floor" as defined in the community's floodplain management ordinance, the elevation of the building's "lowest floor" as defined by the ordinance is: \_\_\_\_\_ feet NGVD (or other FIRM datum—see Section B, Item 7).
2. Date of the start of construction or substantial improvement \_\_\_\_\_.

**SECTION E CERTIFICATION**

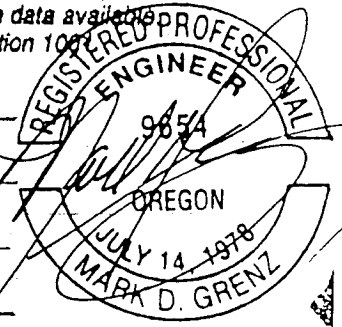
This certification is to be signed by a land surveyor, engineer, or architect who is authorized by state or local law to certify elevation information when the elevation information for Zones A1-A30, AE, AH, A (with BFE), V1-V30, VE, and V (with BFE) is required. Community officials who are authorized by local law or ordinance to provide floodplain management information, may also sign the certification. In the case of Zones AO and A (without a FEMA or community issued BFE), a building official, a property owner, or an owner's representative may also sign the certification.

Reference level diagrams 6, 7 and 8 - Distinguishing Features-If the certifier is unable to certify to breakaway/non-breakaway wall, enclosure size, location of servicing equipment, area use, wall openings, or unfinished area Feature(s), then list the Feature(s) not included in the certification under Comments below. The diagram number, Section C, Item 1, must still be entered.

I certify that the information in Sections 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.

Mark D. Grenz, P.E.

CERTIFIER'S NAME: Professional Engineer  
 LICENSE NUMBER (or Affx Seal): 9854  
 TITLE: MULTI/TECH Engineering Co., Inc  
 COMPANY NAME: MULTI/TECH Engineering Co., Inc  
 ADDRESS: 1155 13th Street S.E.  
 CITY: Salem, OR 97302  
 SIGNATURE: *[Handwritten Signature]*

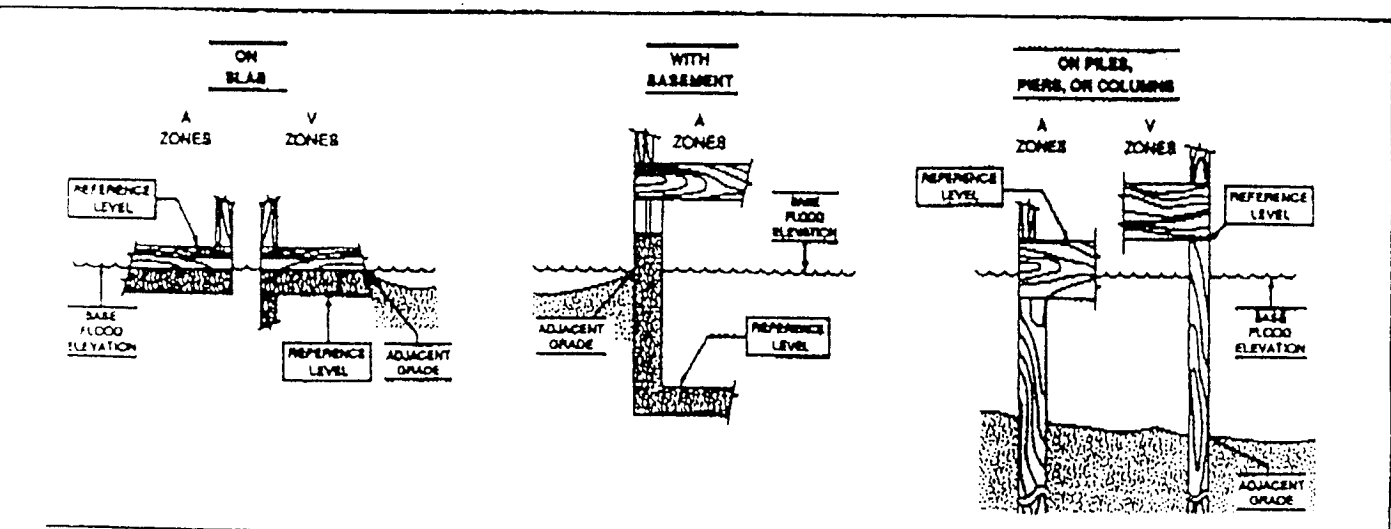


Renew date: June 30, 2001

Copies should be made of this Certificate for: 1) community official, 2) insurance agent/company, and 3) building owner.

COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



The diagrams above illustrate the points at which the elevations should be measured in A Zones and V Zones.

Elevations for all A Zones should be measured at the top of the reference level floor.

Elevations for all V Zones should be measured at the bottom of the lowest horizontal structural member.

# ELEVATION CERTIFICATE

**FEDERAL EMERGENCY MANAGEMENT AGENCY  
NATIONAL FLOOD INSURANCE PROGRAM**

O.M.B. No. 3067-0077  
Expires May 31, 1996

**ATTENTION:** Use of this certificate does not provide a waiver of the flood insurance purchase requirement. This form is used only to provide elevation information necessary to ensure compliance with applicable community floodplain management ordinances, to determine the proper insurance premium rate, and/or to support a request for a Letter of Map Amendment or Revision (LOMA or LOMR).

SECTION A - PROPERTY INFORMATION	FOR INSURANCE COMPANY USE
BUILDING OWNER'S NAME Doug Long	POLICY NUMBER FP99-21
STREET ADDRESS (Including Apr., Unit Suite and/or Bldg. Number) OR P.O. ROUTE AND BOX NUMBER 1895 Cascade Hwy	COMPANY NAIC NUMBER
OTHER DESCRIPTION (Lot and Block Numbers, etc.)	

CITY Salem	STATE OR	ZIP CODE 97302
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## SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Provide the following from the proper FIRM (See Instructions):

1. COMMUNITY NUMBER	2. PANEL NUMBER	3. SUFFIX	4. DATE OF FIRM INDEX	5. FIRM ZONE	6. BASE FLOOD ELEVATION (in AO Zones, use depth)
410154	0300	B	8/15/79	A	

7. Indicate the elevation datum system used on the FIRM for Base Flood Elevations (BFE):  NGVD '29     Other  
If other was indicated, please describe: \_\_\_\_\_
8. For Zones A or V, where no BFE is provided on the FIRM, and the community has established a BFE for this building site, indicate the community's BFE: | 560.40 | feet NGVD (or other FIRM datum - see Section B, Item 7).

## SECTION C - BUILDING ELEVATION INFORMATION

1. Using the Elevation Certificate Instructions, indicate the diagram number from the diagrams found on Pages 5 and 6 that best describes the subject building's reference level \_\_\_\_\_.
- 2(a). FIRM Zones A1-A30, AE, AH, and A (with BFE). The top of the reference level floor from the selected diagram is at an elevation of | 559.80 | feet NGVD (or other FIRM datum - see Section B, Item 7).
- (b). FIRM Zones V1-V30, VE, and V (with BFE). The bottom of the lowest horizontal structural member of the reference level from the selected diagram, is at an elevation level of | \_\_\_\_\_ | feet NVGD (or other FIRM datum - see Section B, Item 7).
- (c). FIRM Zone A (without BFE). The floor used as the reference level from the selected diagram is | \_\_\_\_\_ | feet above  or below  (check one) the highest grade adjacent to the building.
- (d). FIRM Zone AO. The floor used as the reference level from the selected diagram is | \_\_\_\_\_ | feet above  or below  (check one) the highest grade adjacent to the building. If no flood depth number is available, is the building's lowest floor (reference level) elevated in accordance with the community's floodplain management ordinance?  Yes  No  Unknown
3. Indicate the elevation datum system used in determining the above reference level elevations:  NGVD '29     Other (describe under Comments on Page 2). (NOTE: If the elevation datum used in measuring the elevations is different than that used on the FIRM [see Section B, Item 7], then convert the elevations to the datum system used on the FIRM and show the conversion equation under Comments on Page 2.)
4. Elevation reference mark used appears on FIRM:  Yes     No (See Instructions on Page 4)
5. The reference level elevation is based on:  actual construction     construction drawings  
(NOTE: Use of construction drawings is only valid if the building does not yet have the reference level floor in place, in which case this certificate will only be valid for the building during the course of construction. A post-construction Elevation Certificate will be required once construction is complete.)
6. The elevation of the lowest grade immediately adjacent to the building is: | 557.40 | feet NGVD (or other FIRM datum - see Section B, Item 7).

## SECTION D - COMMUNITY INFORMATION

1. If the community official responsible for verifying building specifies that the reference level indicated in Section C, Item 1 is not the 'lowest floor' as defined in the community's floodplain management ordinance, the elevation of the building's 'lowest floor' as defined by the ordinance is: | \_\_\_\_\_ | feet NGVD (or other FIRM datum - see Section B, Item 7).
2. Date of the start of construction or substantial improvement \_\_\_\_\_.

**SECTION E - CERTIFICATION**

This certification is to be signed by a land surveyor, engineer, or architect who is authorized by state or local law to certify elevation information when the elevation information for Zones A1-A30, AE, AH, A (with BFE), V1-V30, VE, and V (with BFE) is required. Community officials who are authorized by local law or ordinance to provide floodplain management information, may also sign the certification. In the case of Zones AO and A (without a FEMA or community issued BFE), a building official, a property owner, or an owner's representative may also sign the certification.

Reference level diagrams 6, 7 and 8 - Distinguishing Features - If the certifier is unable to breakaway/non-breakaway wall, enclosure size, location of servicing equipment, area use, wall openings, or unfinished area Feature(s), then list the Feature(s) not included in the certification under Comments below. The diagram number, Section C, Item 1, must still be entered.

*I certify that the information in Sections 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	LICENSE NUMBER (or Affix Seal)		
Mark Grenz	9654		
TITLE	COMPANY NAME		
Professional Engineer	Multi/Tech Engineering		
ADDRESS	CITY	STATE	ZIP
1155 13th St SE	Salem	OR	97302
SIGNATURE	DATE	PHONE	

**Copies should be made of this Certificate for: 1) community official, 2) insurance agent/company, and 3) building owner.**

**COMMENTS:**

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**ELEVATION / FLOODPROOFING CERTIFICATION**

FP 99-21

*INSTRUCTIONS:* As a condition of approval for a Flood Plain Development Permit a certification of structure elevation or floodproofing may be required (Section 178.060 of the Marion County Zoning Ordinance). Section 1 of this form is for the purpose of certifying that a structure has been constructed so that the lowest floor is at an elevation of one (1) or more feet above the 100 year flood level. The certification must be completed by a registered land surveyor or civil engineer.

Section 2 is used to certify that a structure has been adequately floodproofed. It must be completed by a registered civil/structural engineer.

Please complete the applicable section and certification and return the completed form to the County Planning Department at 220 High Street NE, Salem, Oregon.

SECTION 1

I certify that the structure located at (address) \_\_\_\_\_  
\_\_\_\_\_ is constructed so that the lowest floor  
is at an elevation of \_\_\_\_\_ feet NGVD (mean sea level).

SECTION 2

I certify that the structure located at (address) 1895 Cascade Highway  
\_\_\_\_\_, together with the proposed utility and  
sanitary facilities, are designed so that the structure will be watertight to an  
elevation of 561.4 feet NGVD (mean sea level), with walls substantially  
impermeable to the passage of water and structural components having the compati-  
capability of resisting hydrostatic and hydrodynamic loads and effects of  
bouyancy.

My certification is conditional upon the actual construction of the building in  
strict accordance with the plans presented to me.

In the event of flooding, will this degree of floodproofing be achieved with  
human intervention? yes (see Note)

Will the structure be occupied as a residence? yes

NOTE: Floodproofed with human intervention means that water will enter the  
structure when floods up to the base flood level occur, unless measures  
are taken prior to the flood to prevent entry of water (e.g., bolting  
metal plates over doors and windows).

Affix seal



Case No. \_\_\_\_\_

Renew date: June 30, 2001

Name Mark Grenz, P.E., IC.  
(print or type)

Address 1155 13th St SE, Salem OR 97302

Signature [Handwritten Signature]

Date 9-24-99