

FEDERAL EMERGENCY MANAGEMENT AGENCY
 NATIONAL FLOOD INSURANCE PROGRAM
POST CONSTRUCTION ELEVATION CERTIFICATE/FLOODPROOFING CERTIFICATE

BUILDING OWNER

COMMUNITY NUMBER

060178A

INSTRUCTIONS: The registered professional engineer, architect, surveyor or community permit official completes Section I below. Section II may be completed by any of the professionals listed at the beginning of Section II, or by a similarly qualified local permit official or by a local permit official relying on official permit records. Print or type the information on this form. This form is to be used for new (POST-FIRM) construction and for substantial improvements to existing structures in Zones A1-A30, AO, AH, A99 and V1-V30 and existing (PRE-FIRM) buildings to be rated under POST-FIRM rules and rates.

SECTION I

PROPERTY LOCATION (lot and block numbers and address if available)

1751 Novato Blvd. Building #1

FIA MAP PANEL ON WHICH PROPERTY IS LOCATED

0002

FIA MAP ZONE IN WHICH PROPERTY IS LOCATED

AO

FIA MAP EFFECTIVE DATE

January 19, 1978

BASE FLOOD ELEVATION AT THE BUILDING SITE

(Est. Depth 2')

START OF CONSTRUCTION DATE

6/16/83

Name and Title

Tom Nolan, City Engineer

PHONE (with Area Code)

(415) 897-4341

ADDRESS

901 Sherman Avenue, Novato, CA 94947

Tom Nolan

(Signature)

9/7/83

(Date)

SECTION II

INSTRUCTIONS

Complete only the Elevation Certification unless the building has been floodproofed at least to the base flood elevation. If floodproofing is used, complete only the Floodproofing Certification. The Elevation Certification may be completed by a registered professional engineer, architect, or surveyor. The Floodproofing Certification may only be completed by a registered professional engineer or architect.

ELEVATION CERTIFICATION

ZONES A, A1-30, A-99, AH: I certify that the building at the property location described above has the lowest floor (including basement) at an elevation of _____ feet, NGVD (mean sea level) and the average grade at the building site is at an elevation of _____ feet, NGVD.

ZONES V, V1-V30: I certify that the building at the property location described above has the bottom of the lowest floor beam at an elevation of _____ feet, NGVD (mean sea level), and the average grade at the building site is at an elevation of _____ feet, NGVD.

ZONE AO: I certify that the building at the property location described above has the lowest floor (including basement) elevated 1.2 feet above the highest adjacent grade. This meets , does not meet the community's requirement for new construction.

CERTIFIER'S NAME

Arthur T. Coleman

TITLE

Engineer

LESS

Oberkamper & Associates Civil Engineers, Inc.
 10 Paul Drive, San Rafael, CA 94903

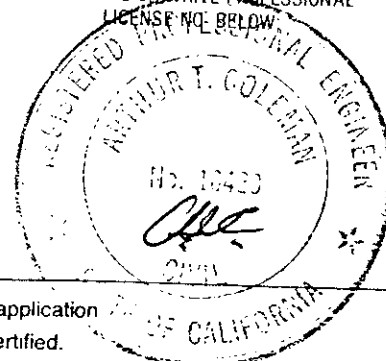
Arthur T. Coleman

(Signature)

8/30/83

(Date)

If certified by Engineer,
 Architect or Surveyor
 AFFIX SEAL OR WRITE PROFESSIONAL
 LICENSE NO. BELOW



The insurance agent attaches the second copy of the completed form to the flood insurance policy application for new (POST-FIRM) construction or substantial improvements. Be sure that the second copy is certified.

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POST CONSTRUCTION ELEVATION CERTIFICATE/FLOODPROOFING CERTIFICATE

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SECTION I

PROPERTY LOCATION (lot and block numbers and address if available)

1751 Novato Blvd. Building #2

FIA MAP PANEL ON WHICH PROPERTY IS LOCATED

0002

FIA MAP ZONE IN WHICH PROPERTY IS LOCATED

AO

FIA MAP EFFECTIVE DATE

January 19, 1978

BASE FLOOD ELEVATION AT THE BUILDING SITE

(Est. Depth 2')

START OF CONSTRUCTION DATE

6/16/83

Name and Title

Tom Nolan, City Engineer

PHONE (with Area Code)

(415) 897-4341

ADDRESS

901 Sherman Avenue, Novato, CA 94947

Tom Nolan
 (Signature)

9/7/83
 (Date)

SECTION II

INSTRUCTIONS

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ELEVATION CERTIFICATION

ZONES A, A1-30, A-99, AH: I certify that the building at the property location described above has the lowest floor (including basement) at an elevation of _____ feet, NGVD (mean sea level) and the average grade at the building site is at an elevation of _____ feet, NGVD.

ZONES V, V1-V30: I certify that the building at the property location described above has the bottom of the lowest floor beam at an elevation of _____ feet, NGVD (mean sea level), and the average grade at the building site is at an elevation of _____ feet, NGVD.

ZONE AO: I certify that the building at the property location described above has the lowest floor (including basement) elevated 1.0 feet above the highest adjacent grade. This meets , does not meet the community's requirement for new construction.

CERTIFIER'S NAME

Arthur T. Coleman

TITLE

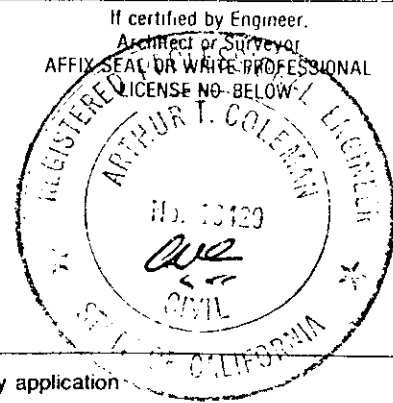
Engineer

ADDRESS

Berkamper & Associates Civil Engineers, Inc.
 10 Paul Drive, San Rafael, CA 94903

Arthur T. Coleman
 (Signature)

9/30/83
 (Date)



The insurance agent attaches the second copy of the completed form to the flood insurance policy application for new (POST-FIRM) construction or substantial improvements. Be sure that the second copy is certified.

ELEVATION CERTIFICATES -

NOTE!

- BUILDINGS #1 & 2 MAY NOT TECHNICALLY QUALIFY UNDER FLOOD INSURANCE REQUIREMENTS. REFER TO RULES FOR CRITERIA FOR LAND MANAGEMENT & USE, PART 60(7) COPY ATTACHED

- BUILDING #3 DOES QUALIFY

- BUILDINGS 7, 8 & 9 ARE ENCLOSED GARAGE AREAS WITH ONE ~~UNIT~~ UNIT ON SECOND STORY.

BY DEFINITION THE GARAGE AREA MAY BE THE "LOWEST FLOOR" (SEE FIA DEF.) IN SINGLE FAMILY ATTACHED OR DETACHED SITUATIONS THE GARAGE, IF USED FOR PARKING ONLY, IS NOT CONSIDERED

"LOWEST FLOOR". THE GARAGE AREA IN BLDGS 7, 8 & 9 ARE USED FOR THE ENTIRE COMPLEX IF THIS IS THE CASE FLOOR IS TOO LOW!

THANKS

DICK SUTO

ADOPTED

PART 60—CRITERIA FOR LAND MANAGEMENT AND USE

60.3 [Amended]

3. Section 60.3(c) introductory paragraph is amended to read as follows:

(c) When the Administrator has provided a notice of final flood elevations for one or more special flood hazard areas on the community's FIRM and, if appropriate, has designated other special flood hazard areas without base flood elevations on the community's FIRM, but has not identified a regulatory floodway or coastal high hazard area, the community shall:

4. Section 60.3(c)(1) is amended by inserting the words, "AH zones," between the words "unnumbered A zones" and "and AO zones."

5. Section 60.3(c)(2) and (3) are amended by inserting the words "and AH zones" between the words "Zones A1-30" and "on the community's FIRM," wherever they appear.

6. Section 60.3(c)(7) is revised to read as follows:

(7) Require within any AO zone on the community's FIRM that all new construction and substantial improvements of residential structures have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on the community's FIRM (at least two feet if no depth number is specified);

7. Section 60.3(c)(8) is revised to read as follows:

(8) Require within any AO zone on the community's FIRM that all new construction and substantial improvements of nonresidential structures (i) have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on

the community's FIRM (at least two feet if no depth number is specified), or (ii) together with attendant utility and sanitary facilities be completely floodproofed to that level to meet the floodproofing standard specified in § 60.3(c)(3)(ii);

8. Sections 60.3(c) is amended by adding a new subparagraph (11) to read as follows:

(11) Require within Zones AH and AO, adequate drainage paths around structures on slopes, to guide floodwaters around and away from proposed structures.

(42 U.S.C. 4001 et seq., Reorganization Plan No. 3 of 1978 (3 CFR 1978 Comp. 329) and Executive Order 12127 (44 FR 19367)).

Catalog of Domestic Assistance Number 83.100 Flood Insurance.

Issued: July 24, 1980.

Gloria M. Jimenez,
Federal Insurance Administrator.

[FR Doc. 80-27596 Filed 9-8-80, 8:45 am]

BILLING CODE 6718-02-M

44 CFR Part 67

(Docket No. FEMA 5894)

**National Flood Insurance Program;
Proposed Flood Elevation
Determinations**

AGENCY: Federal Insurance Administration, FEMA.

ACTION: Proposed rule.

SUMMARY: Technical information or comments are solicited on the proposed base (100-year) flood elevations listed below for selected locations in the nation. These base (100-year) flood elevations are the basis for the flood plain management measures that the community is required to either adopt or show evidence of being already in effect in order to qualify or remain qualified for participation in the National Flood Insurance Program (NFIP).

Proposed Base (100-Year) Flood Elevations

State	City/town county	Source of flooding	Location	#Depth in meters above ground
Commonwealth of Puerto Rico	Rio Tallaboa Basin	Rio Tallaboa	40 meters upstream of intersection of Rio Tallaboa and Puerto Rico Highway 127	#6.0
			Intersection of Rio Tallaboa and Puerto Rico Highway 132	#40.5
		Rio Guayanes	10 meters downstream of intersection of Rio Guayanes and Puerto Rico Highway 386.	#72.5
		Caribbean Sea	At the mouth of Rio Tallaboa	#1.8

Maps available for inspection at Puerto Rico Planning Board, Minillas Government Center, North Building, 14th Floor, Santurce, Puerto Rico.

Send comments to Honorable Carlos Romero Barcelo, La Fortaleza, San Juan, Puerto Rico 00902.

(National Flood Insurance Act of 1968 (Title XIII of Housing and Urban Development Act of 1968), effective January 28, 1969 (33 FR 17804, November 28, 1968), as amended (42 U.S.C. 4001-4128); Executive Order 12127, 44 FR 19367; and delegation of authority to Federal Insurance Administrator)

Issued: August 26, 1980.

Gloria M. Jimenez,
Federal Insurance Administrator.

[FR Doc 80-27624 Filed 9-8-80, 8:45 am]

BILLING CODE 6718-03-M

DATES: The period for comment will be ninety (90) days following the second publication of this proposed rule in a newspaper of local circulation in each community.

ADDRESSES: See table below.

FOR FURTHER INFORMATION CONTACT: Mr. Robert G. Chappell, National Flood Insurance Program, (202) 426-1460 or Toll Free Line (800) 424-8872, in Alaska and Hawaii call Toll Free Line (800) 424-9080, Federal Emergency Management Agency, Washington, D.C. 20472.

SUPPLEMENTARY INFORMATION: The Federal Insurance Administrator gives notice of the proposed determinations of base (100-year) flood elevations for selected locations in the nation, in accordance with section 110 of the Flood Disaster Protection Act of 1973 (Pub. L. 93-234), 87 Stat. 980, which added section 1363 to the National Flood Insurance Act of 1968 (Title XIII of the Housing and Urban Development Act of 1968 (Pub. L. 90-448)), 42 U.S.C. 4001-4128, and 44 CFR 67.4(a).

These elevations, together with the flood plain management measures required by § 60.3 of the program regulations, are the minimum that are required. They should not be construed to mean the community must change any existing ordinances that are more stringent in their flood plain management requirements. The community may at any time enact stricter requirements on its own, or pursuant to policies established by other Federal, State or Regional entities. These proposed elevations will also be used to calculate the appropriate flood insurance premium rates for new buildings and their contents and for the second layer of insurance on existing buildings and their contents.

The proposed base (100-year) flood elevations for selected locations are:

Breakaway walls are *designed to fail* without causing any damage to the structural integrity of the building and, therefore, are not connected to the building's support system (piers, piles, columns, braces, etc.). Areas so enclosed are *not* secure against forceable entry. For example, plywood sheets would be loosely toenailed top and bottom; brick or concrete masonry units are stacked loosely *without* grout, mortar or reinforcement. Stored boxes or furniture placed against breakaway walls must be avoided.

Walls that exceed these guidelines are non-breakaway walls.

Since geographic and individual site conditions and requirements vary, it is strongly recommended that community permit officials and/or construction design professionals be consulted about this type of construction.

BASEMENT

A basement is that lowest level or story which has its floor subgrade on all sides.

Finished (Habitable) Area

A finished area is an enclosed area having more than 20 linear feet of finished walls (paneling, etc.) or equipped for use as kitchen, dining room, living room, family or recreational room, or bedroom, or office, or professional or private school or studio occupancies, workshop, or other such uses.

Unfinished Area

An unfinished area is an enclosed area used for parking vehicles and/or storage purposes only and does not meet the definition of a finished area. Sheet-rock (drywall) used for fire protection is permitted.

Enclosed Area

An enclosed area is an area with at least 2/3 (two-thirds) of its perimeter composed of rigid walls. To determine the perimeter, use the least number of straight lines across open spaces (see diagrams on DB4 and 5).

Lowest Floor

The lowest floor is the lowest floor (including basement) of the lowest enclosed area. The following modifications of the lowest floor definition are permitted in order to meet community permit practices:

1. *In Zones A, AO, AH, A1-A30, B, C, and D, and Emergency Program areas which are not oceanside building sites, the following exceptions apply:*
 - a. The floor of an unfinished enclosed area at ground level or above, which is a crawl space, or space within the foundation walls, useable as areas for building maintenance access, parking vehicles, or storing of articles and maintenance equipment (not machinery or equipment attached to the building) used in connection with the premises is not considered the building's lowest floor if the walls of the unfinished enclosed areas are constructed with openings (such as with parallel sheer walls, open lattice walls, discontinuous foundation walls, or combinations thereof) to facilitate the unimpeded movement of flood waters or the walls are breakaway walls.
 - b. The floor of an attached unfinished garage used for parking vehicles and storing articles and maintenance equipment used in connection with the premises is not considered the building's lowest floor provided that the area does not contain machinery or equipment which

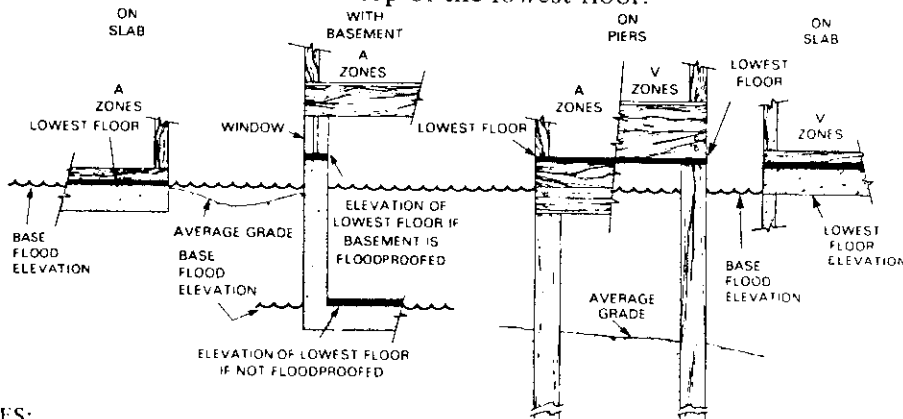
is part of the building (attached to the building) and provided that the garage walls are constructed with openings (such as with parallel sheer walls, open lattice walls, discontinuous foundation walls, or combinations thereof) to facilitate the unimpeded movement of flood waters, or the walls are breakaway walls.

The unimpeded movement of flood waters is imperative to equalize the hydrostatic pressure inside and outside of the walls of the building and/or garage.

2. In Zones V and V1-V30, and Emergency Program areas which are oceanside building lots, the following exceptions apply:

- a. For flood plain management purposes, the floor of an unfinished enclosed area is not considered the building's lowest floor if the area's walls are constructed as breakaway walls. However, for insurance rating purposes:
 - i. The floor of an unfinished enclosed area less than 300 square feet is not considered the building's lowest floor if the walls are breakaway walls
 - ii. The floor of an unfinished enclosed area equal to or greater than 300 square feet is considered the building's lowest floor even if the walls are breakaway walls
- b. The floor of an unfinished enclosed area with walls made of insect screening or open wood constructed breakaway lattice work (regardless of the size of the area enclosed) is not considered the building's lowest floor

The lowest floor elevation is the elevation of the bottom of the floor beam of the lowest floor in Zones V, V1-V30. In all other zones, the lowest floor elevation is the elevation of the top of the lowest floor.



NOTES:

1. A Zones - A, AO, AH, A1-A30, A99, Emergency Program other than Oceanside Building Sites.
2. V Zones - V, V1-V30, Emergency Program Oceanside Building Sites (beach areas subject to wave action during severe storms).
3. Base Flood Elevation - The Base Flood Elevations are shown on the FIRM for Zones AH, A1-A30, V1-V30. For FIRM Zone A, V, and Emergency Program Special Flood Hazard Areas the community permit official or the builder has estimated this elevation by the reasonable interpretation of available data. Enter that estimated elevation in the space provided in Section I of the Elevation Certification for Base Flood Elevation. If this community permit official or the builder has not selected an estimated Base Flood Elevation, enter N.A.