

FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM
FLOODPROOFING CERTIFICATE
FOR NON-RESIDENTIAL STRUCTURES

The floodproofing of non-residential buildings may be permitted as an alternative to elevating to or above the Base Flood Elevation; however, a floodproofing design certification is required. This form is to be used for that certification. Floodproofing of a residential building does not alter a community's floodplain management elevation requirements or affect the insurance rating unless the community has been issued an exception by FEMA to allow floodproofed residential basements. The permitting of a floodproofed residential basement requires a separate certification specifying that the design complies with the local floodplain management ordinance.

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

SECTION I FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Provide the following from the proper FIRM:

COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM INDEX	FIRM ZONE	BASE FLOOD ELEVATION (In AO Zones, Use Depth)
------------------	--------------	--------	--------------------	-----------	--

SECTION II FLOODPROOFING INFORMATION (By a Registered Professional Engineer or Architect)

Floodproofing Design Elevation Information:

Building is floodproofed to an elevation of feet NGVD. (Elevation datum used must be the same as that on the FIRM.)

Height of floodproofing on the building above the lowest adjacent grade is feet.

(NOTE: for insurance rating purposes, the building's floodproofed design elevation must be at least one foot above the Base Flood Elevation to receive rating credit. If the building is floodproofed only to the Base Flood Elevation, then the building's insurance rating will result in a higher premium.)

SECTION III CERTIFICATION (By Registered Professional Engineer or Architect)

Non-Residential Floodproofed Construction Certification:

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

The structure, together with attendant utilities and sanitary facilities, is watertight to the floodproofed design elevation indicated above, with walls that are substantially impermeable to the passage of water.

All structural components are capable of resisting hydrostatic and hydrodynamic flood forces, including the effects of buoyancy, and anticipated debris impact forces.

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.

CERTIFIER'S NAME	LICENSE NUMBER (or Affix Seal)		
TITLE	COMPANY NAME		
ADDRESS	CITY	STATE	ZIP CODE
SIGNATURE	DATE	PHONE	

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

Figure 310-5. FEMA's floodproofing certificate.

U.S. DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY National Flood Insurance Program		RESIDENTIAL BASEMENT FLOODPROOFING CERTIFICATE			See Reverse Side for Paperwork Burden Disclosure	O.M.B. No. 1660-0033 Expires April 30, 2007
For use ONLY in communities which have been granted an exception by FEMA to allow the construction of floodproofed residential basements in Special Flood Hazard Areas.						
BUILDING OWNER'S NAME				FOR INSURANCE COMPANY USE		
BUILDING STREET ADDRESS (including Apt., Unit, Number)				POLICY NUMBER		
OTHER DESCRIPTION (Lot and Block Numbers, etc.)				COMPANY NAIC NUMBER		
CITY		STATE		ZIP CODE		
SECTION I-FLOOD INSURANCE RATE MAP (FIRM) INFORMATION						
Provide the following from the FIRM and flood profile (from Flood Insurance Study)						
COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM	FIRM ZONE	BASE FLOOD ELEVATION (NGVD) (IN AO ZONES, USE DEPTH)	NAME OF FLOODING SOURCE(S) AFFECTING BUILDING
SECTION II-FLOODPROOFING INFORMATION (By a Registered Professional Engineer or Architect)						
Floodproofing Design Elevation Information:						
Building is floodproofed to an elevation of _____ feet NGVD. (Elevation datum used must be the same as that on the FIRM.)						
Elevation of the top of the basement floor is _____ feet NGVD.						
(Note: The floodproofing design elevation must be at least one foot above the Base Flood Elevation (BFE))						
SECTION III-CERTIFICATION (By a Registered Professional Engineer or Architect)						
Residential Floodproofed Basement Construction Certification:						
<i>I certify that, based upon development and/or review of structural design specifications, and plans for construction, including consideration of the depth, velocity, and duration of flooding and the type and permeability of soils at the site, the design and methods of construction of the floodproofed basement to be used are in accordance with accepted standards of practice for meeting the following provisions:</i>						
<ul style="list-style-type: none"> • Basement, together with attendant utilities and sanitary facilities, is watertight to the floodproofing design elevation with walls that are impermeable to the passage of water without human intervention; and • Basement walls and floor are capable of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy resulting from flooding to the floodproofing design elevation; and have been designed so that minimal damage will occur from floods that exceed the floodproofing design elevation; and • Building design, including the floodproofing design elevation, complies with community requirements. 						
<i>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.</i>						
CERTIFIER'S NAME				LICENSE NUMBER (or affix Seal)		
TITLE			COMPANY NAME			
ADDRESS			CITY	STATE	ZIP	
SIGNATURE				PHONE NO.		DATE
Copies of this certificate must be given to: 1) the community official; 2) the insurance agent; and 3) the building owner.						
FEMA Form 81-78, May 04						
F-200 (05/04)						

Figure 310-5. FEMA's floodproofing certificate. (page 2)