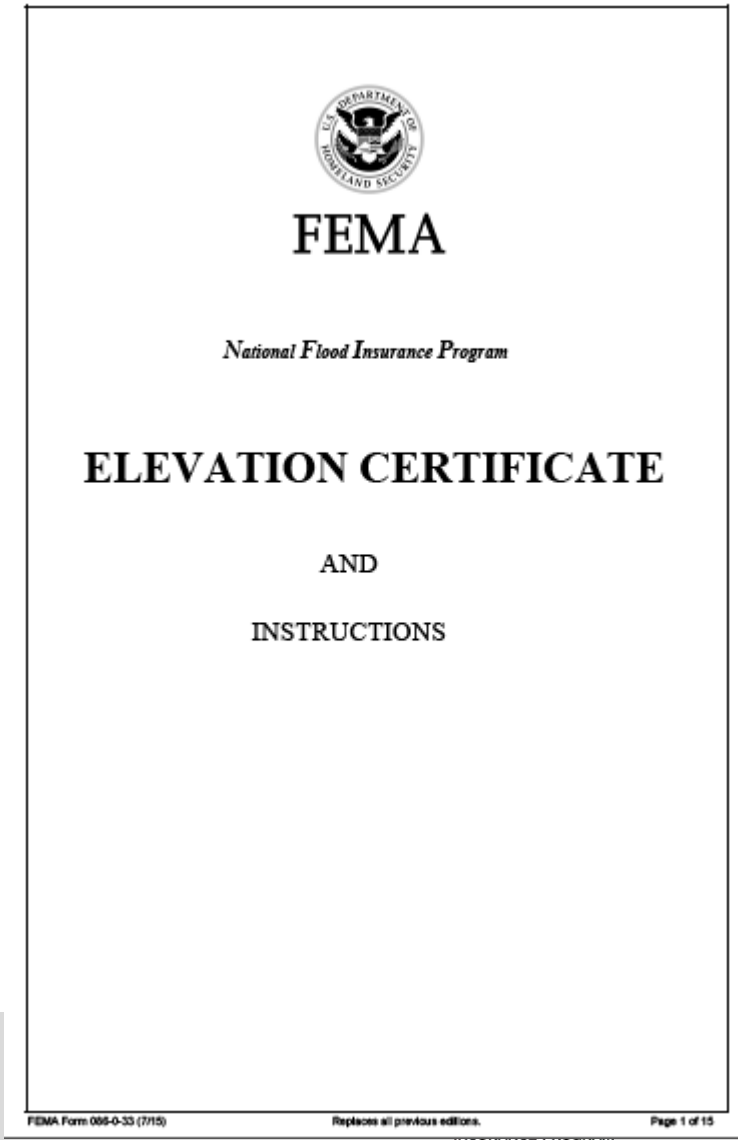
FEMA Elevation Certificate

FEMA Elevation Certificate

- Current version released in 2012 – Required version as of August 1, 2013; Expired on July 31, 2015
- Revised version released to insurance companies on Jan 6, 2016; Not available yet on web site due to issues; Expiration date: 11/30/2018



FEMA

National Flood Insurance Program

ELEVATION CERTIFICATE

AND

INSTRUCTIONS

FEMA Form 086-0-33 (7/15) Replaces all previous editions. Page 1 of 15

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
ELEVATION CERTIFICATE
IMPORTANT: FOLLOW THE INSTRUCTIONS ON PAGES 9-15

OMB Control Number: 1660-0008
Expiration: 11/30/2018

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

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: ☐ NAD 1927 ☐ 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):

a) Square footage of crawlspace or enclosure(s) sq ft

b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade

c) Total net area of flood openings in A8.b sq in

d) Engineered flood openings? ☐ Yes ☐ No

A9. For a building with an attached garage:

a) Square footage of attached garage sq ft

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 A9.b sq in

d) Engineered flood openings? ☐ Yes ☐ 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 AO, use base flood depth)

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:

☐ FIS Profile ☐ FIRM ☐ Community Determined ☐ Other/Source:

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☐ NAVD 1988 ☐ Other/Source:

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☐ No

Designation Date: ☐ CBRS ☐ OPA

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☐ Finished Construction

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.

* A new Elevation Certificate will be required when construction of the building is complete.

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

OMB Control Number: 1660-0008
Expiration: 11/30/2018

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 attachments.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☐ Yes ☐ No

Certifier's Name | License Number

Title | Company Name

Address | City | State | Zip Code

Signature | Date | Telephone

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)

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.

FEMA Elevation Certificate

NFIP Administrative Tool:

- Community compliance
- Building elevation certification
- Policy rating
- Map amendment/revision support

Elevation Certificate Sections

Section A – Property Information

Section B – FIRM Information

Section C – Building Elevation Information

Section D – Certification

Section E – Building Elevation (no BFE)

Section F – Property Owner Certification

Section G – Community Information

Section A – Property Information

Federal Emergency Management Agency

ELEVATION CERTIFICATE

IMPORTANT: FOLLOW THE INSTRUCTIONS ON PAGES 9-16

OMB Control Number: 1660-0008
Expiration: 11/30/2018

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION	FORM 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: ☐ NAD 1927 ☐ 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

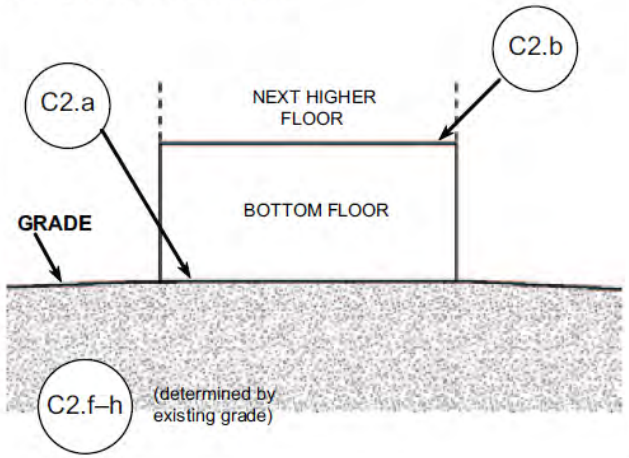
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:	
a) Square footage of crawlspace or enclosure(s)	sq ft	a) Square footage of attached garage	sq ft
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade		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? ☐ Yes ☐ No		d) Engineered flood openings? ☐ Yes ☐ No	

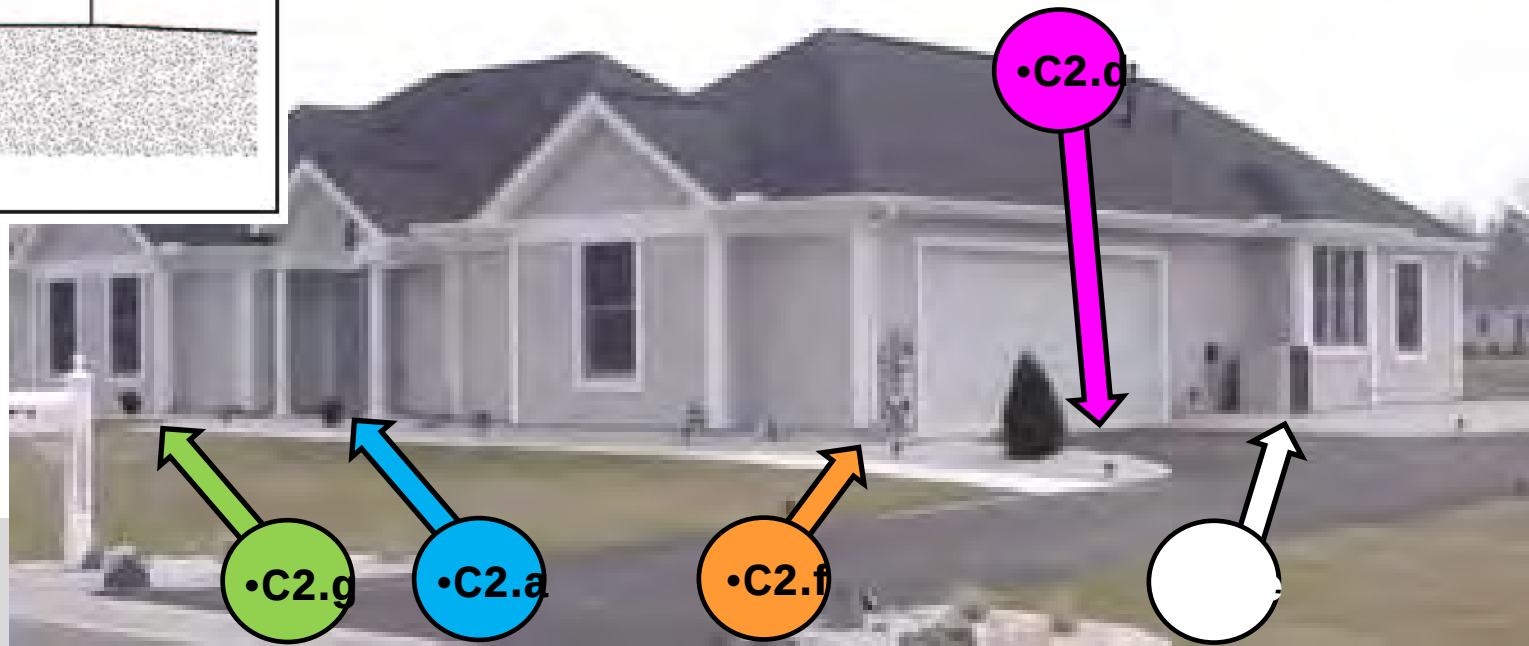
Building Diagram #1A

DIAGRAM 1A

All slab-on-grade single- and multiple-floor buildings (other than split-level) and high-rise buildings, either detached or row type (e.g., townhouses); with or without attached garage.

Distinguishing Feature – The bottom floor is at or above ground level (grade) on at least 1 side.*





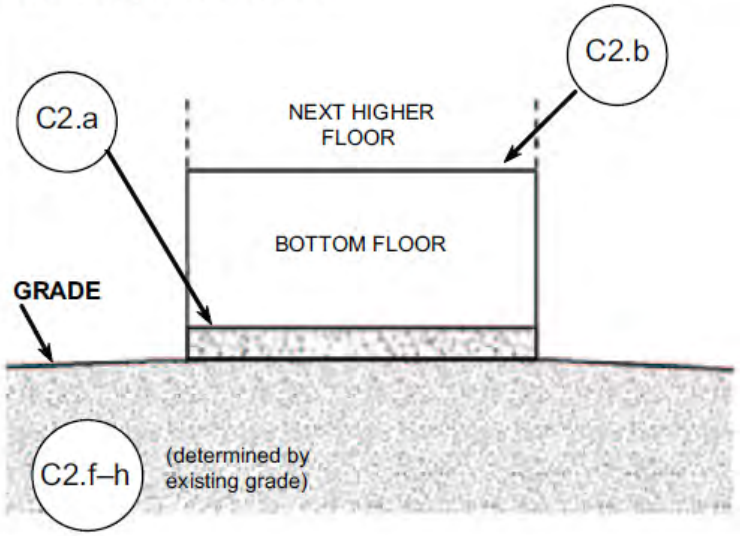
NEW HAMPSHIRE OEP OFFICE OF ENERGY AND PLANNING

Building Diagram #1B

DIAGRAM 1B

All raised-slab-on-grade or slab-on-stem-wall-with-fill single- and multiple-floor buildings (other than split-level), either detached or row type (e.g., townhouses); with or without attached garage.

Distinguishing Feature – The bottom floor is at or above ground level (grade) on at least 1 side.*



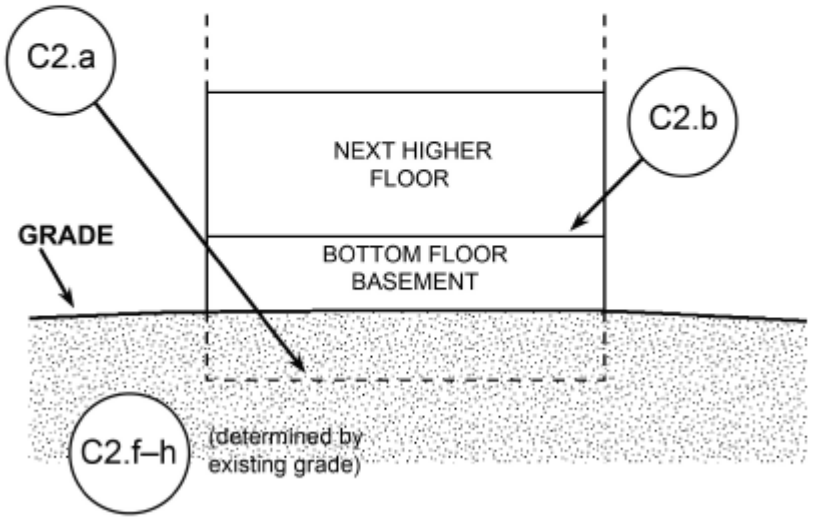
NEW HAMPSHIRE OEP OFFICE OF ENERGY AND PLANNING

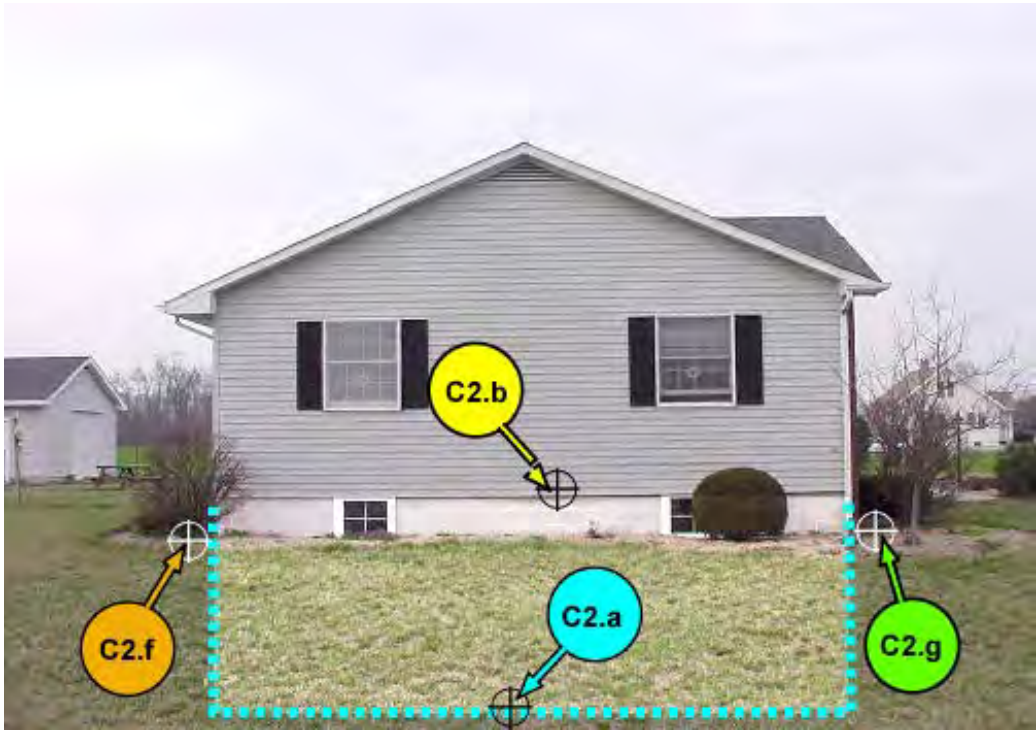
Building Diagram #2A (previously #2)

DIAGRAM 2A

All single- and multiple-floor buildings with basement (other than split-level) and high-rise buildings with basement, either detached or row type (e.g., townhouses); with or without attached garage.

Distinguishing Feature - The bottom floor (basement or underground garage) is below ground level (grade) on all sides.*



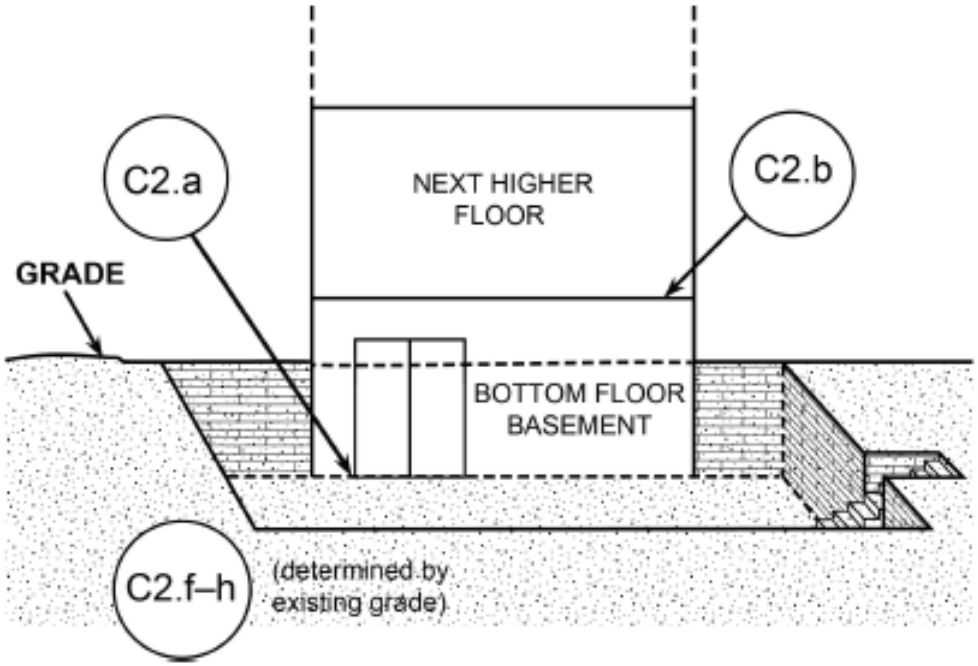


New Building Diagram #2B

DIAGRAM 2B

All single-and multiple-floor buildings with basement (other than split-level) and high-rise buildings with basement, either detached or row type (e.g., townhouses); with or without attached garage).

Distinguishing feature - The bottom floor (basement or under ground garage) is below ground level (grade) on all sides; most of the height of the walls are below ground level on all sides and the door and area of egress is also below ground level on all sides.*

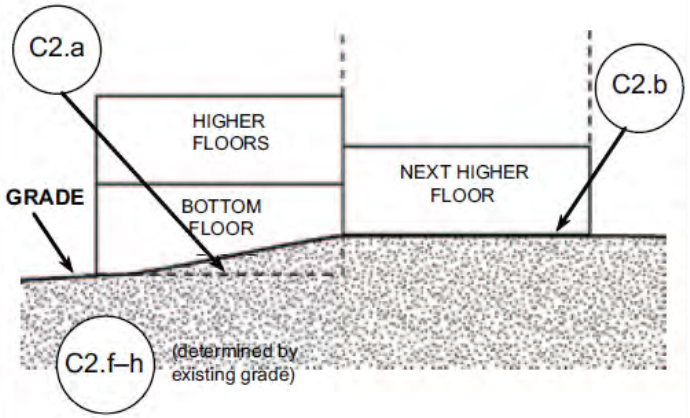


Building Diagram #3

DIAGRAM 3

All split-level buildings that are slab-on-grade, either detached or row type (e.g., townhouses); with or without attached garage.

Distinguishing Feature – The bottom floor (excluding garage) is at or above ground level (grade) on at least 1 side.*

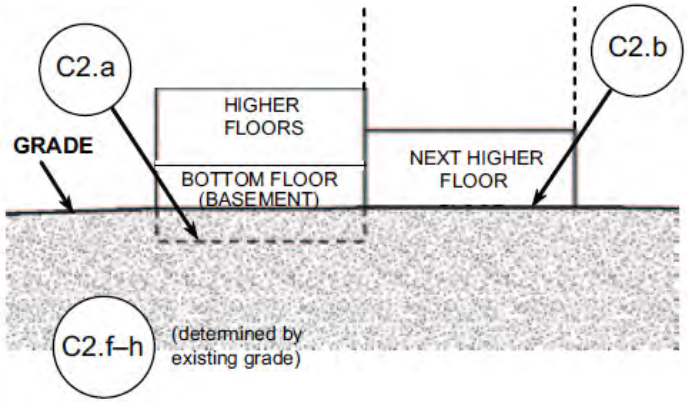


Building Diagram #4

DIAGRAM 4

All split-level buildings (other than slab-on-grade), either detached or row type (e.g., townhouses); with or without attached garage.

Distinguishing Feature – The bottom floor (basement or underground garage) is below ground level (grade) on all sides.*



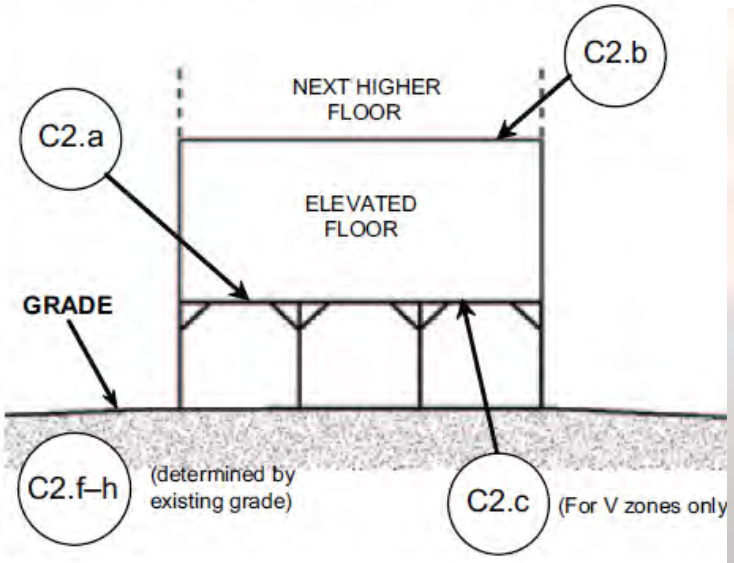
NEW HAMPSHIRE OEP OFFICE OF ENERGY AND PLANNING

Building Diagram #5

DIAGRAM 5

All buildings elevated on piers, posts, piles, columns, or parallel shear walls. No obstructions below the elevated floor.

Distinguishing Feature – For all zones, the area below the elevated floor is open, with no obstruction to flow of floodwaters (open lattice work and/or insect screening is permissible).



NEW HAMPSHIRE OEP OFFICE OF ENERGY AND PLANNING

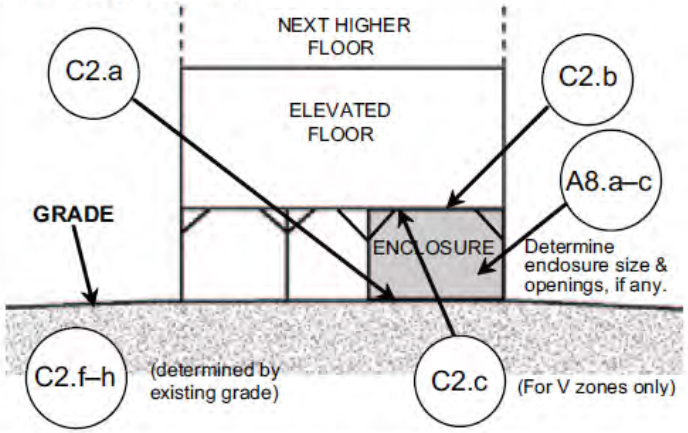
NATIONAL FLOOD INSURANCE PROGRAM

Building Diagram #6

DIAGRAM 6

All buildings elevated on piers, posts, piles, columns, or parallel shear walls with full or partial enclosure below the elevated floor.

Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings** present in the walls of the enclosure. Indicate information about enclosure size and openings in Section A – Property Information.



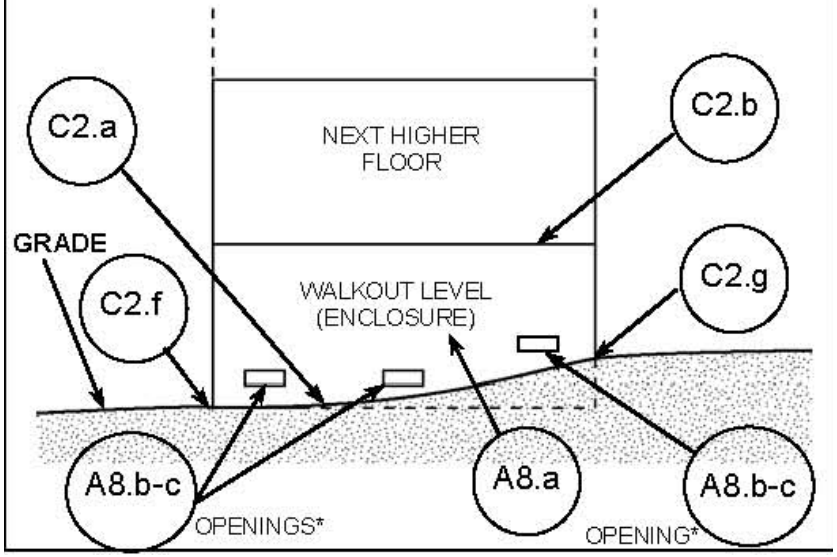
NEW HAMPSHIRE OEP OFFICE OF ENERGY AND PLANNING

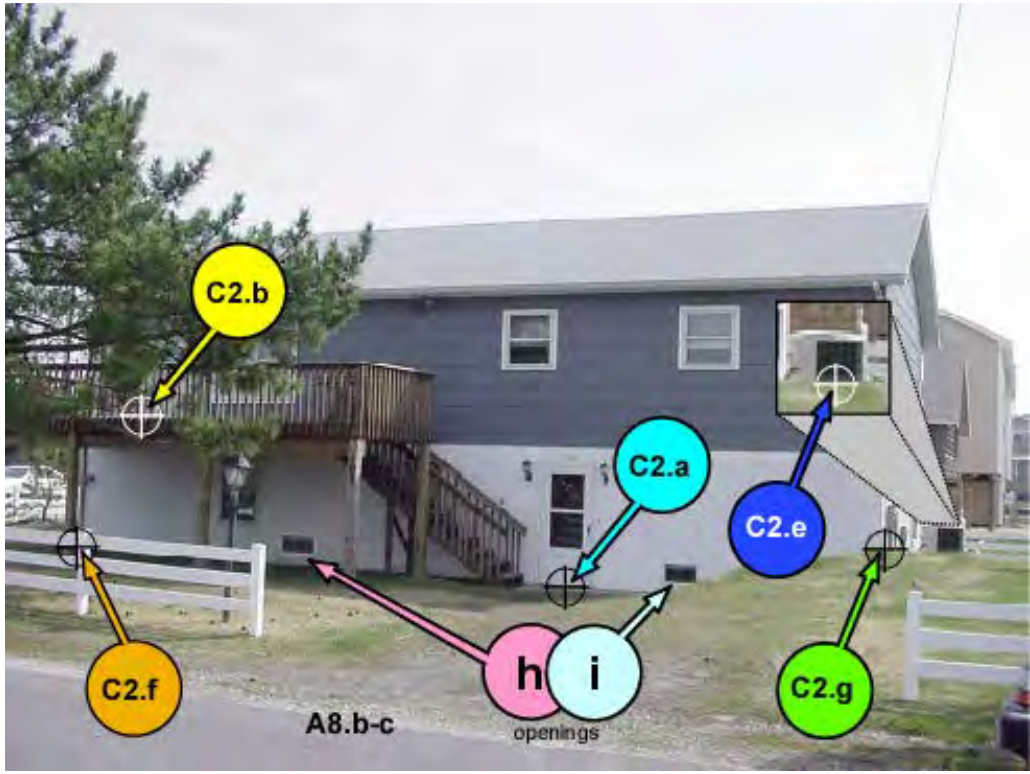
Building Diagram #7

DIAGRAM 7

All buildings elevated on full-story foundation walls with a partially or fully enclosed area below the elevated floor. This includes walkout levels, where at least one side is at or above grade. The principal use of this building is located in the elevated floors of the building.

Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings* present in the walls of the enclosure. Indicate information about enclosure size and openings in Section A – Property Information.



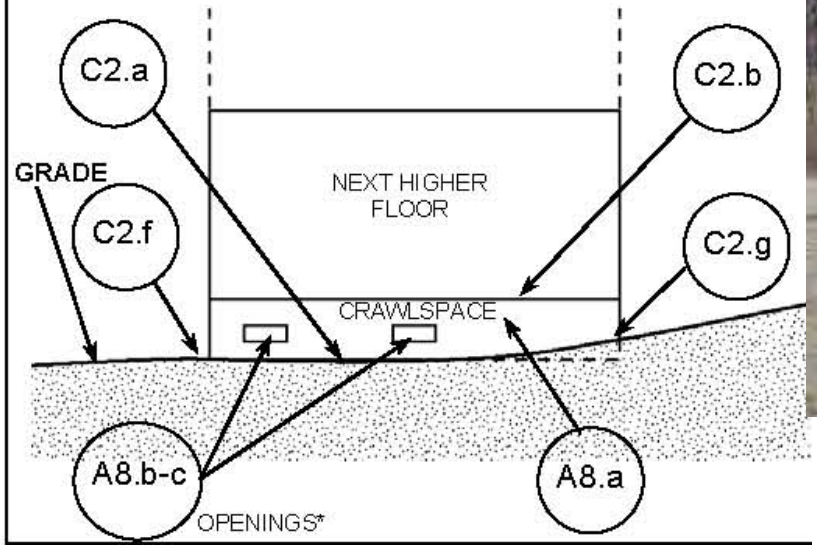


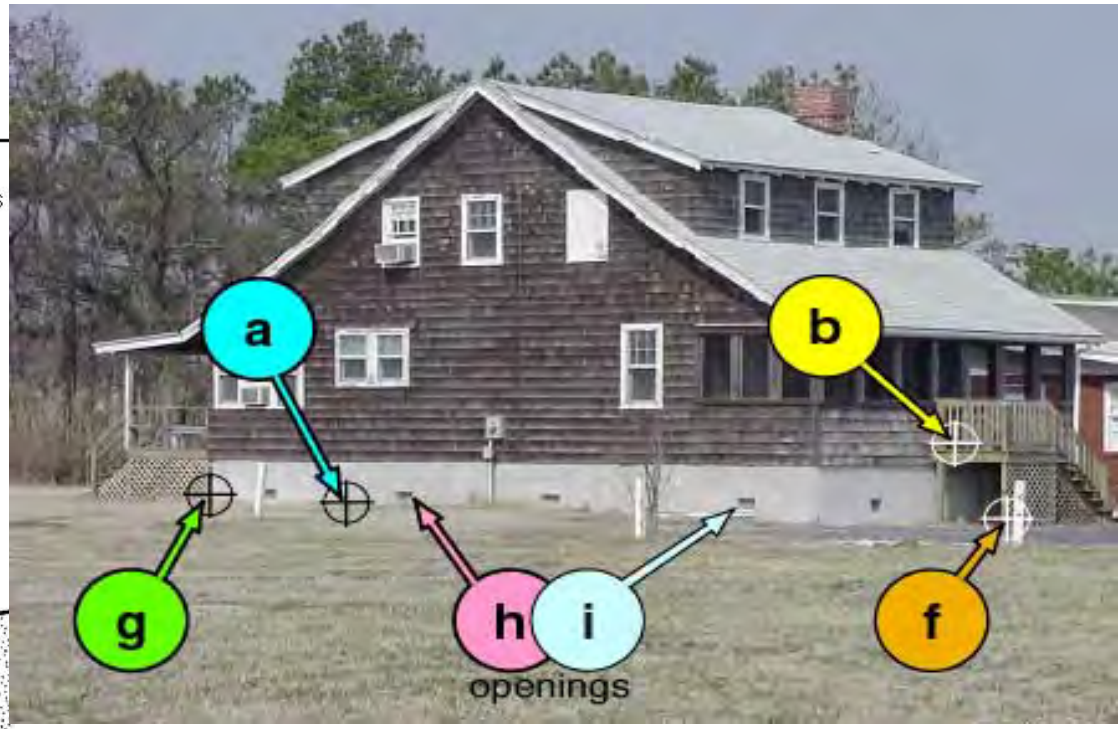
Building Diagram #8

DIAGRAM 8

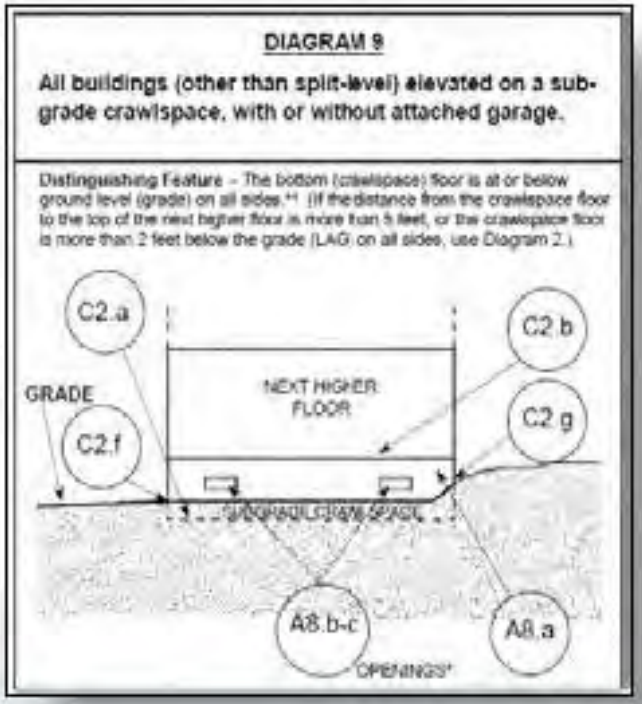
All buildings elevated on a crawlspace with the floor of the crawlspace at or above grade on at least one side, with or without an attached garage.

Distinguishing Feature – For all zones, the area below the first floor is enclosed by solid or partial perimeter walls. In all A zones, the crawlspace is with or without openings* present in the walls of the crawlspace. Indicate information about crawlspace size and openings in Section A – Property Information.





Building Diagram #9



Can you guess the Building Diagram?

After viewing each of the following pictures, can you identify the Building Diagram number for each structure?


70
ADT

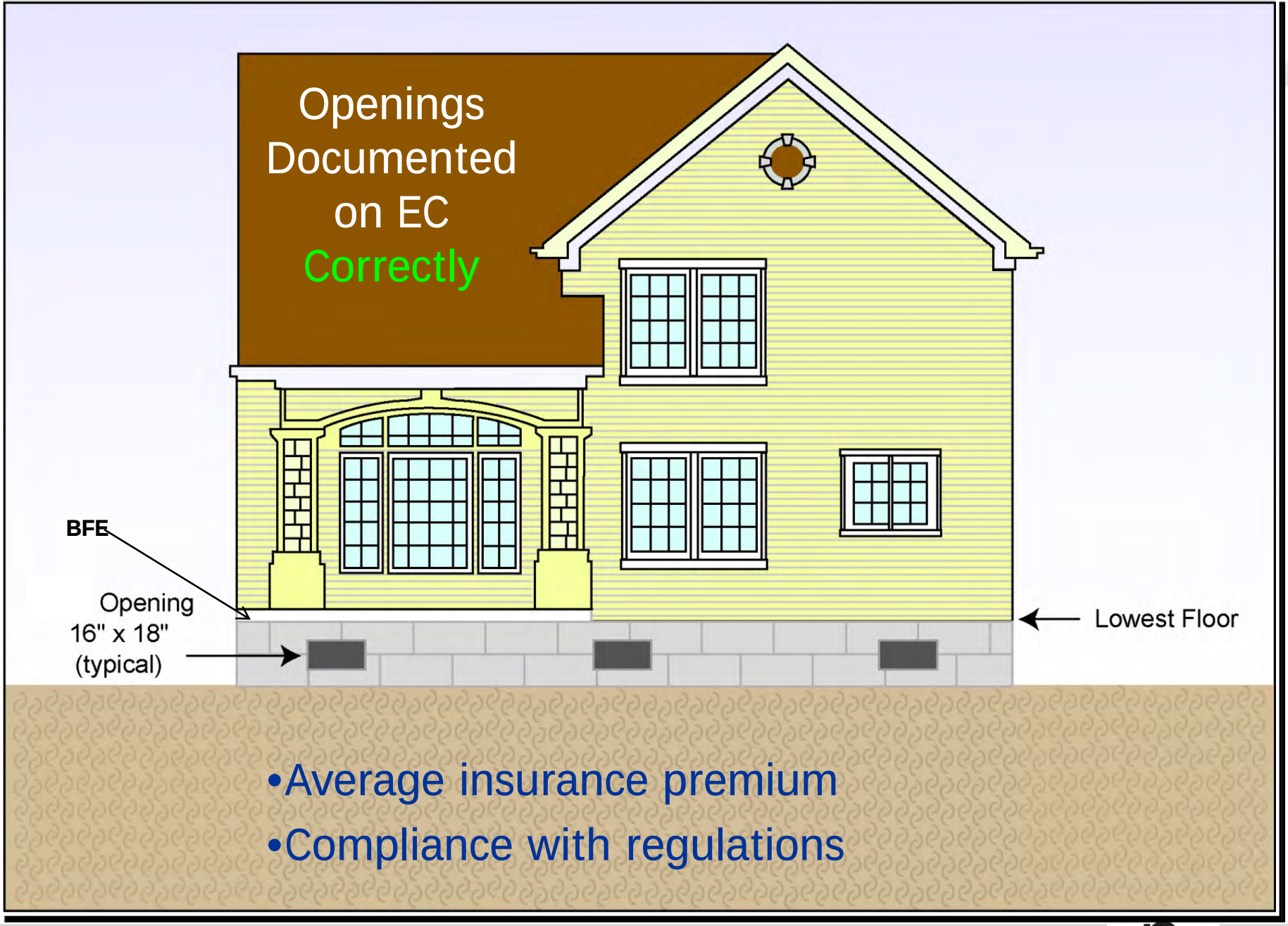
NEW HAMPSHIRE OEP OFFICE OF ENERGY AND PLANNING

NATIONAL FLOOD INSURANCE PROGRAM

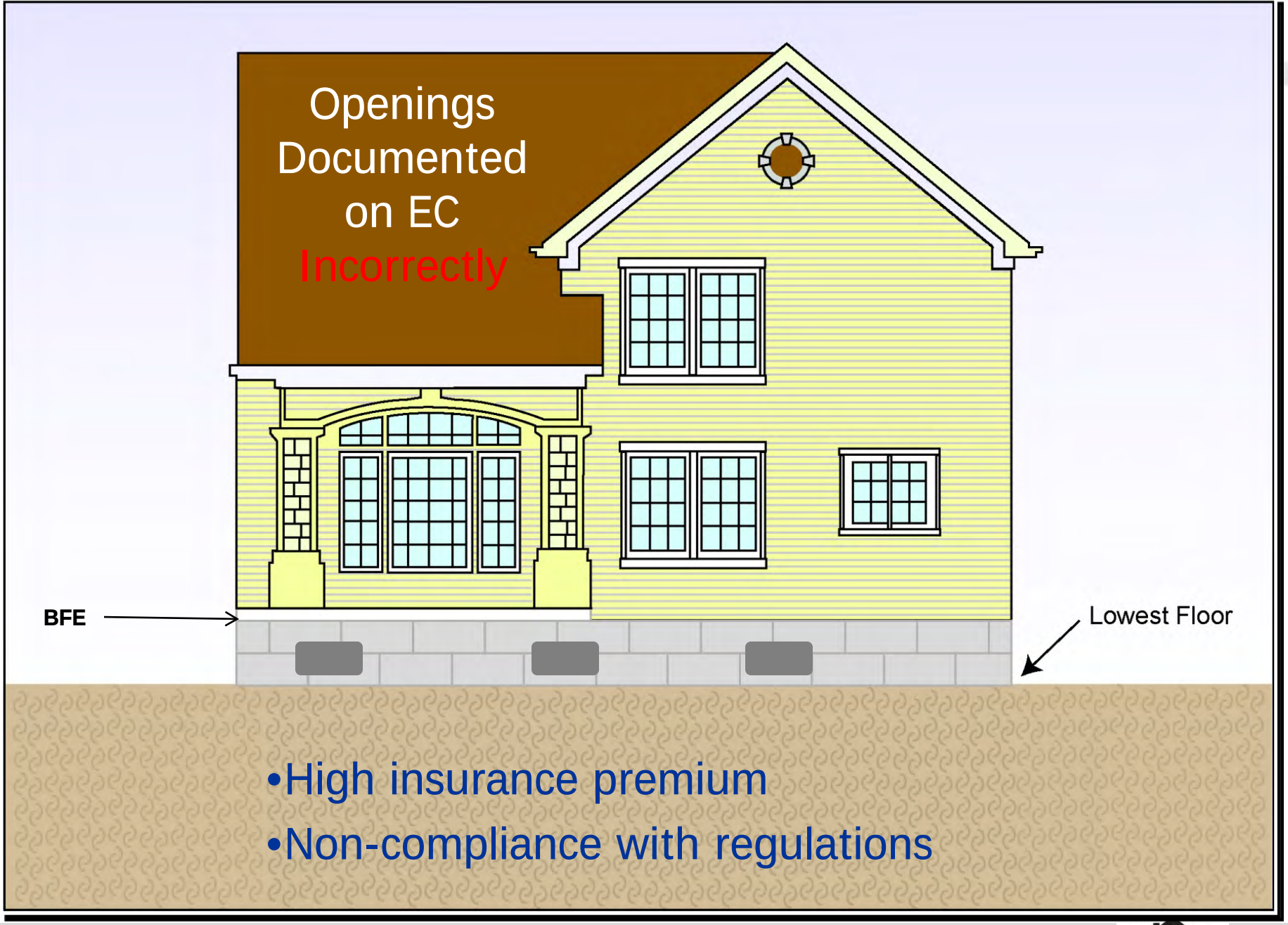

13

Importance of Correctly Documenting Flood Openings on EC

- If no openings are documented or are documented incorrectly on the EC, it can affect:
  - What is considered the lowest floor
  - Flood insurance premium
  - Compliance with community's regulations



- Average insurance premium
- Compliance with regulations



- High insurance premium
- Non-compliance with regulations

Purpose of Flood Openings

Allow water to flow in and out to relieve pressure of standing or slow-moving water

Two Types of Flood Openings

Engineered Openings

- Designed and certified by a registered design professional as meeting the performance required by regulations.

Non-Engineered Openings

- Openings used to satisfy the prescriptive requirements. Wide variety of options are available to satisfy these requirements.

Engineered Vents

A label on every Smart Vent identifies the ICC-ES report number (ESR), the model number, and the area of certified coverage.

How To Properly Fill Out An Elevation Certificate Using SMART VENT Engineered Openings

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
Expires March 31, 2012

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: ☐ NAD 1927 ☐ 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):
- a) Square footage of crawlspace or enclosure(s): 1,200 sq ft
- b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: 6
- c) Total net area of flood openings in A8.b: 1,200 sq in
- d) Engineered flood openings? ☒ Yes ☐ No

A9. For a building with an attached garage:
- a) Square footage of attached garage: 600 sq ft
- b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: 3
- c) Total net area of flood openings in A9.b: 600 sq in
- d) Engineered flood openings? ☒ Yes ☐ No

Example: This enclosure is 1,200 sq/ft so (6) standard 16" x 8" SMART VENTS would be required for compliance. ***Section A8.c should be completed with 1,200*** because each standard SMART VENT is ICC-ES Certified as an Engineered Opening and rated at 200 sq/ft of flood protection.

It is necessary to fill this section out this way to ensure proper NFIP Flood Insurance Ratings. As a surveyor, you're covered by ***checking the box for Engineered flood openings in section A8.d*** and ***attaching our ICC-ES Evaluation Report*** (write that the Report is attached in the Comments section in Section D - see below).

IMPORTANT: In these spaces, copy the corresponding information from Section A. | 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

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: *ICC-ES Evaluation Report Attached. (6) of Model 1540-510 SMART VENTS were used providing 200 sq. ft. of coverage each totaling 1,200 total sq. ft. of coverage.*

Signature Date

☒ Check here if attachments

SMART VENT
Smart Vent Products, Inc. 430 Andbro Drive, Unit 1 Pitman, NJ 08071
PH: 877-441-8368 FX: 856-269-4465 www.smartvent.com info@smartvent.com

ICC ES ICC-ESR 2074

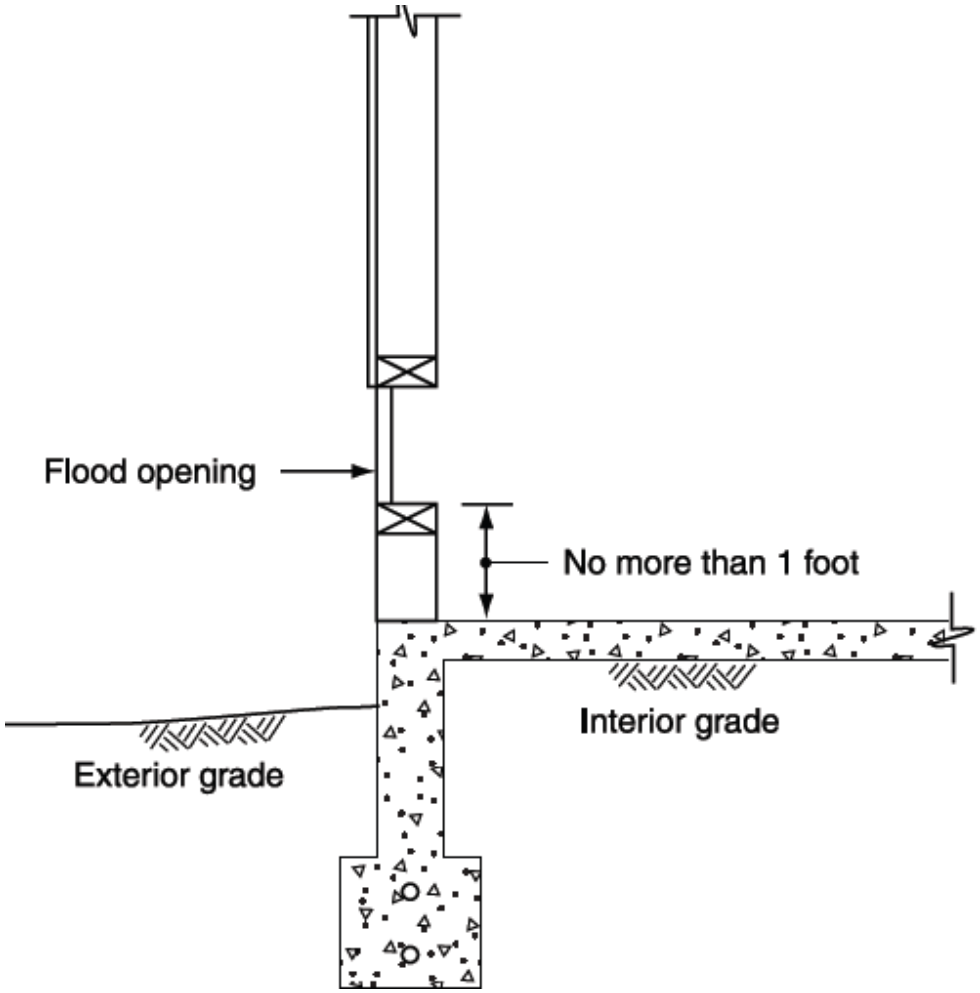
Sources: Smart Vent and American Surveyor

Non-Engineered Flood Opening Requirements

- Must be on at least 2 different walls
- The total square inches of flood openings must be equal to or greater than the square footage of enclosure
  - Example: An 800 sqft enclosure must have at least 800 square inches of openings

Non-Engineered Flood Opening Requirements

- The bottom of a flood opening cannot be more than 1 foot above the grade (interior or exterior, whichever is higher)



Examples of Non-Engineered Flood Openings

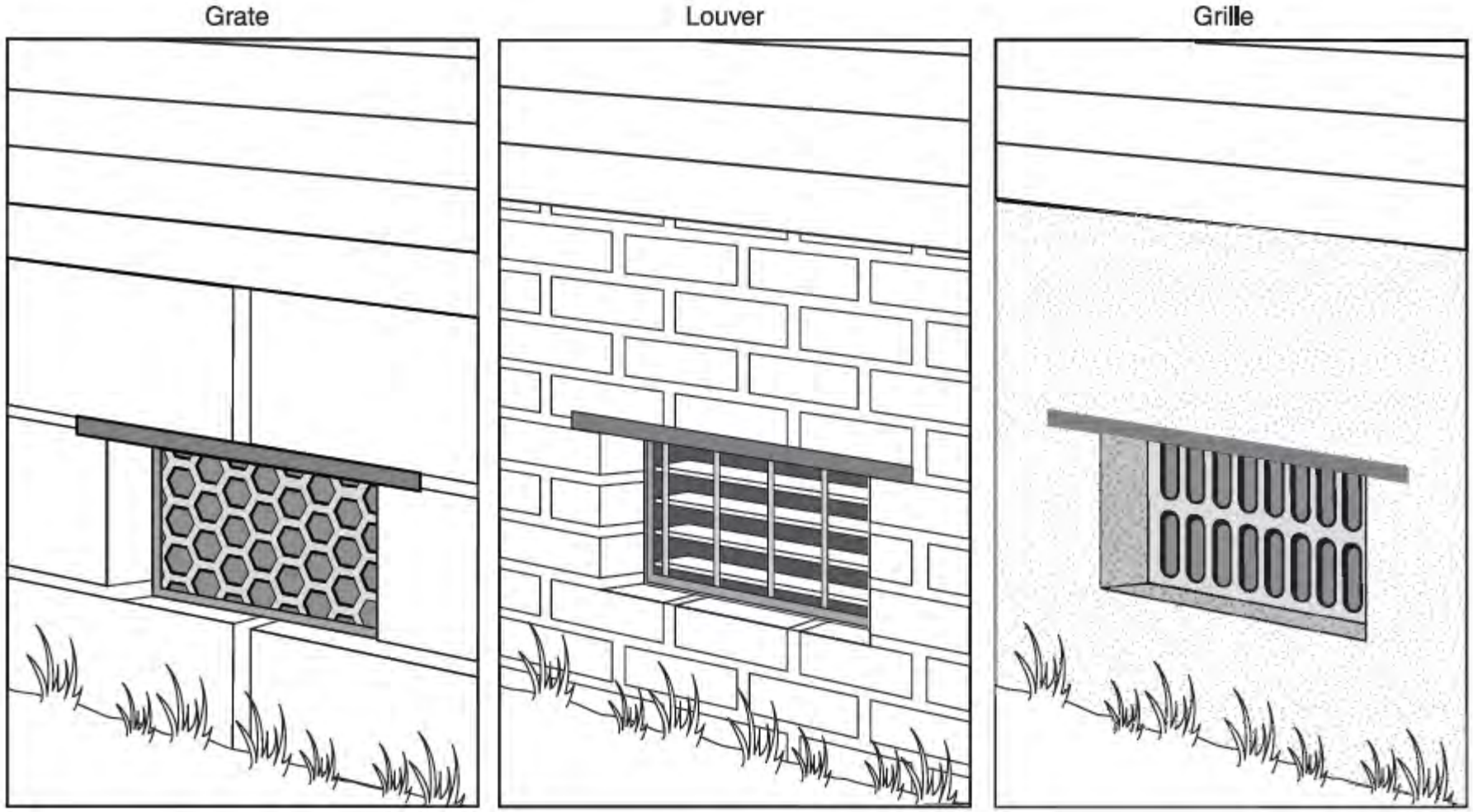


Figure 16. Examples of typical air vents used as flood openings (net open area varies)

Examples of Non-Engineered Flood Openings

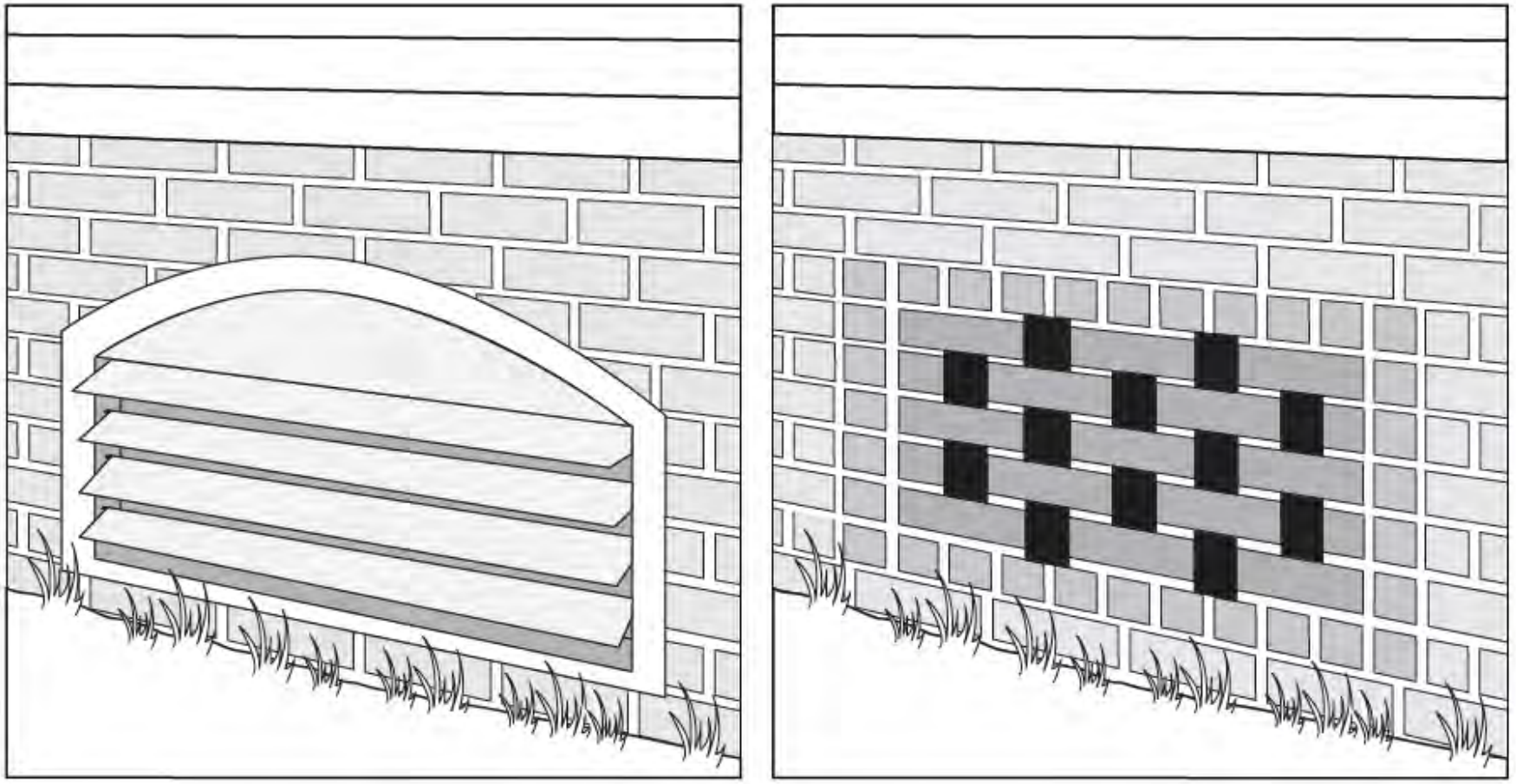
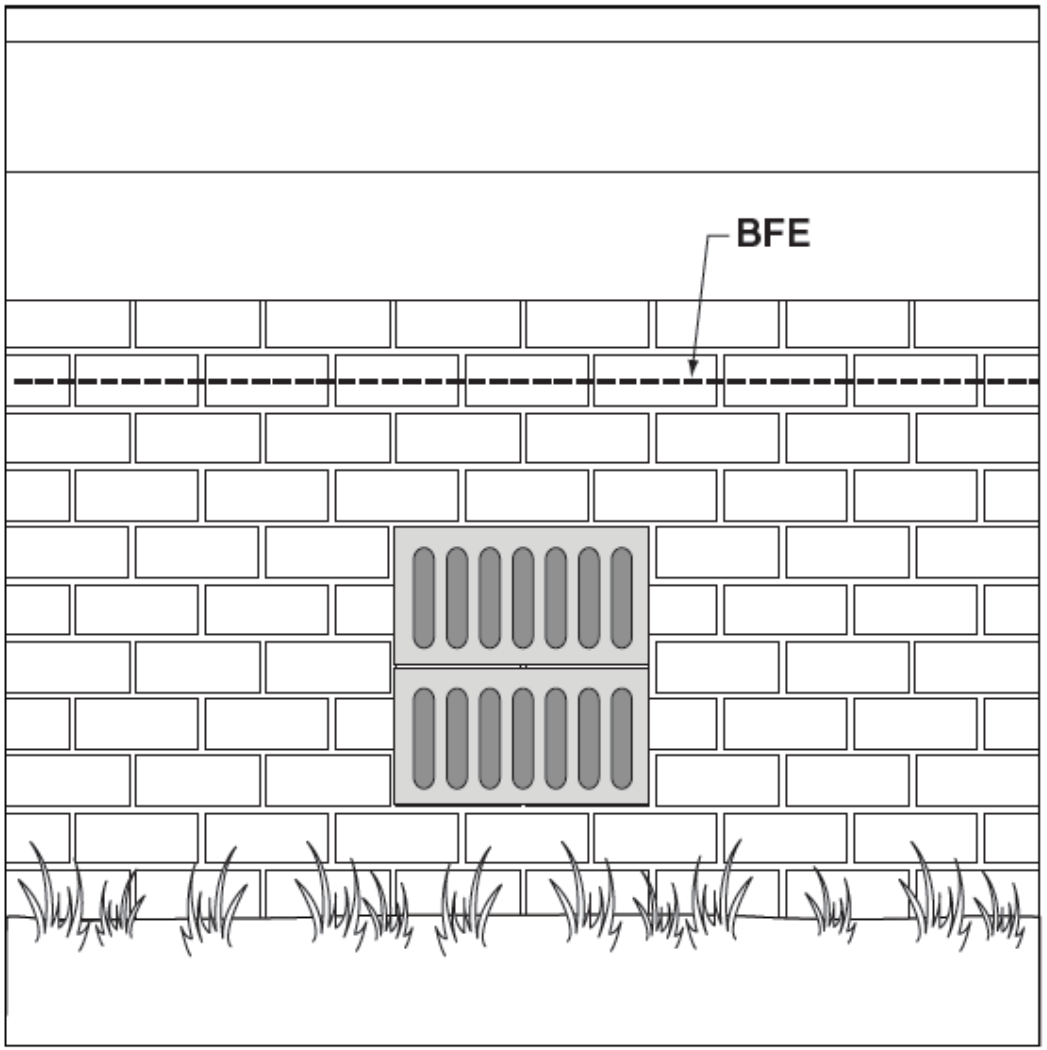


Figure 18. Decorative treatments using fixed louvers and brickwork (count the "net open area" or have certified as engineered openings)

Examples of Non-Engineered Flood Openings

Figure 13. Stacked vents inserted in large openings must be below the BFE



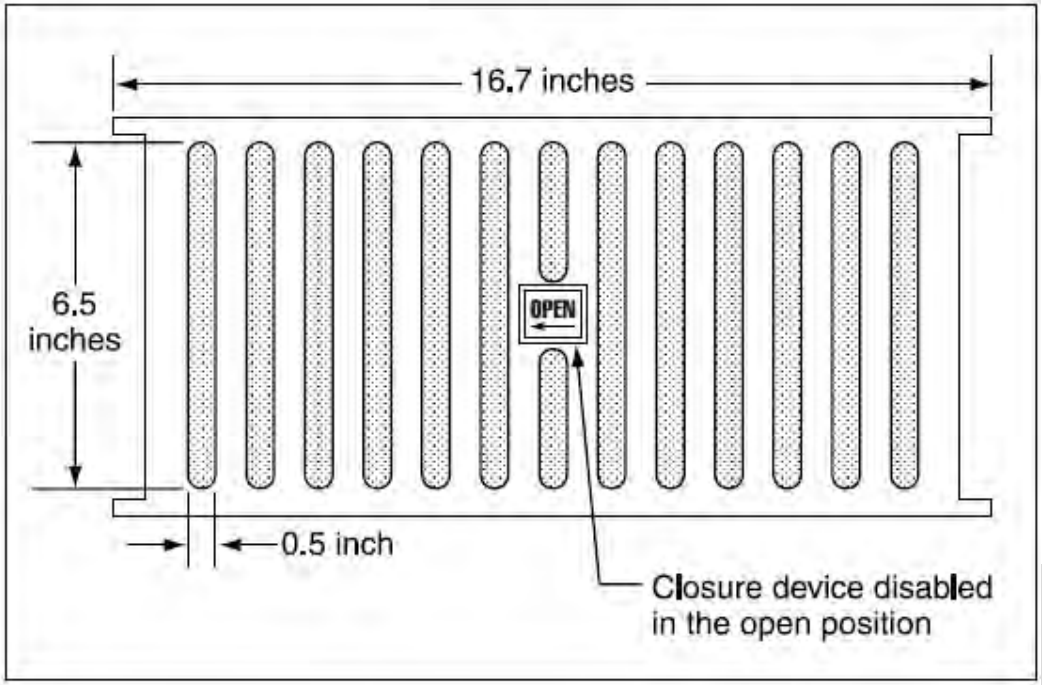
Examples of Non-Engineered Flood Openings

Figure 19. Foundation wall with omitted blocks as flood openings (insect screen not visible)

Important Points about Non-Engineered Flood Vents

- Know how to determine the net opening of the non-engineered flood openings
  - Net open area is **not** the size of the vent itself
  - Net open area can usually be found on face of vent.

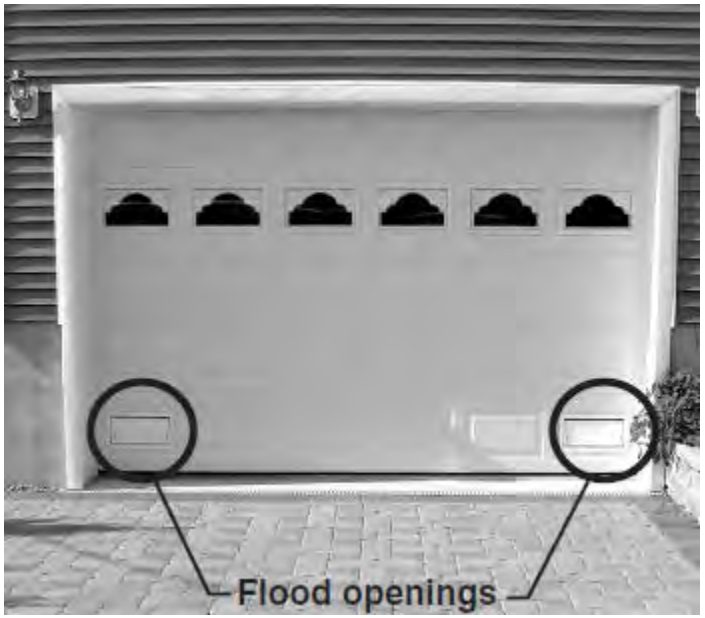
Figure 14. Typical standard air vent faceplate (this example provides 42 square inches of net open area)



Ventilation vent must be permanently disabled in the open position to count as an opening

Important Points about Non-Engineered Flood Vents

- Insect screens are allowed if they don't impede the flow of floodwaters
- Openings may be installed in garage and crawlspace doors
- **Not** counted as openings
  - Any type of door
  - Any type of glass windows



Unacceptable Flood Openings

1. MANUALLY OPERATED VENT

2. GARAGE DOOR FAILURE DUE TO HYDROSTATIC PRESSURE

3. NON *COMPLIANT* FLOOD VENTS PROVIDE INADEQUATE PROTECTION, LEADING TO STRUCTURAL DAMAGE

4. NON COMPLIANT VENT

5. TYPICAL AIR VENTS CLOG WITH DEBRIS

6. HYDROSTATIC PRESSURE COLLAPSES FOUNDATION WALL

Source: SmartVent


11/21/2012 2:04 pm

Section B – FIRM Information

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 AO, use base flood depth

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:
FIS Profile FIRM Community Determined Other/Source:

B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other/Source:

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes No

Designation Date: CBRS OPA

Is BFE provided to the nearest tenth?

Acceptable Sources of BFE

- FIRM
- FIS
- Zone A (no BFE)
  - Community Determination
  - Other State or Federal Agency's Determination

Unacceptable Sources of BFE

- Property owner's determination of the highest flood height on their property
- A LOMA for another property
- Personal opinion about what the base flood elevation should be

Section C – Building Elevation Information

"NA" should be in all non-applicable data fields.

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ○ Construction Drawings* ○ Building Under Construction* ○ Finished Construction

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.

* A new Elevation Certificate will be required when construction of the building is complete.

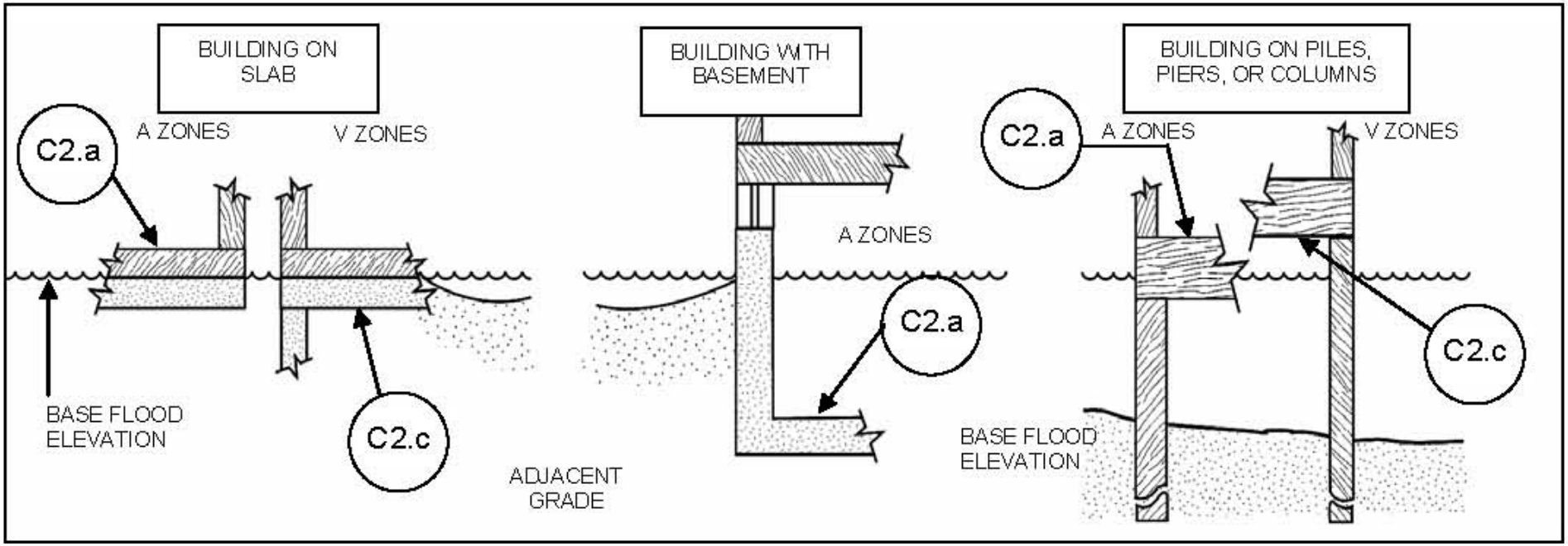
Benchmark Utilized: Vertical Datum:

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

Bottom Floor Elevation



Benchmarks

- New DFIRMs may include NGS benchmarks

- Benchmark sources:
  - National Geodetic Survey

    www.ngs.noaa.gov
  - NHDOT Geodetic Control Datasheet (find by town)

    www.granit.unh.edu/geodetic/datasheet
  - Community resources

Section D - Certification

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 attachments.

Were latitude and longitude in Section A provided by a licensed land surveyor?

○ Yes ○ No

Certifier's Name	License Number		
Title	Company Name		
Address	City	State	Zip Code
Signature	Date	Telephone	

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location , per C2(e), if applicable)"

Signature Date

Section E – Building Elevation Information (No BFE)

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.

If purpose of EC is for LOMA, Sections A, B, and C must be completed.

Section F – Property Owner Certification

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 Info

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 -G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate of Compliance/Occupancy Issued

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

Can You Identify the Problem?

After reviewing the Elevation Certificate information and the picture of the structure in the following examples, can you identify the problem(s)?

EC Info

BFE =640 ft

Bottom Floor=630 ft

LAG=631 ft

No openings

Finished Construction

NEW HAMPSHIRE OEP OFFICE OF ENERGY AND PLANNING

EC Info

BFE =640 ft

Bottom Floor=630 ft

LAG=631 ft

No openings

Finished Construction

NEW HAMPSHIRE OEP OFFICE OF ENERGY AND PLANNING

EC Info

BFE =700 ft

Bottom Floor=690 ft

LAG=690 ft

With openings

Finished construction

EC Info

BFE =700 ft

Bottom Floor=690 ft

LAG=690 ft

With openings

Finished construction

Questions