

2023 Elevation Certificate Update

Overview of Changes to the Elevation Certificate Form



FEMA

FEMA Elevation Certificate Form

[illegible]

Purpose of the Elevation Certificate

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

OMB Control No. 1680-0008
Expiration Date: 06/30/2026

ELEVATION CERTIFICATE
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

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 (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: _____	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): _____	
A5. Latitude/Longitude: Lat: _____ Long: _____ Horizontal Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983 <input type="checkbox"/> WGS 84	
A6. Attach at least two and when possible four clear photographs (one for each side) of the building (see Form pages 7 and 8).	
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) Is there at least one permanent flood opening on two different sides of each enclosed area? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: Non-engineered flood openings: _____ Engineered flood openings: _____	
d) Total net open area of non-engineered flood openings in A8.c: _____ sq. in.	
e) Total rated area of engineered flood openings in A8.c (attach documentation – see instructions): _____ sq. ft.	
f) Sum of A8.d and A8.e rated area (if applicable – see instructions): _____ sq. ft.	
A9. For a building with an attached garage:	
a) Square footage of attached garage: _____ sq. ft.	
b) Is there at least one permanent flood opening on two different sides of the attached garage? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: Non-engineered flood openings: _____ Engineered flood openings: _____	
d) Total net open area of non-engineered flood openings in A9.c: _____ sq. in.	
e) Total rated area of engineered flood openings in A9.c (attach documentation – see instructions): _____ sq. ft.	
f) Sum of A9.d and A9.e rated area (if applicable – see instructions): _____ sq. ft.	
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION	
B1.a. NFIP Community Name: _____	B1.b. NFIP Community Identification Number: _____
B2. County Name: _____	B3. State: _____ B4. MapPanel No.: _____ B5. Suffix: _____
B6. FIRM Index Date: _____	B7. FIRM Panel Effective/Revised Date: _____
B8. Flood Zone(s): _____	B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): _____
B10. Indicate the source of the BFE data or Base Flood Depth entered in item B9: <input type="checkbox"/> FIS <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other: _____	
B11. Indicate elevation datum used for (BFE) in item B9: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____	
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA	
B13. Is the building located seaward of the Limit of Moderate Wave Action (LIMWA)? <input type="checkbox"/> Yes <input type="checkbox"/> No	

FEMA Form FF-206-FY-22-152 (formerly 086-0-33) (10/22) Page 2 of 19

- Records information used to determine compliance with building codes/local floodplain ordinances
- Tool for supporting Letters of Map Change (LOMC)
- Prerequisite for Community Rating System (CRS) participation. Required for new construction.
- No longer required to rate flood insurance for Post-FIRM buildings
- May be used for flood insurance rating in any flood zone.

Download the 2023 Edition:

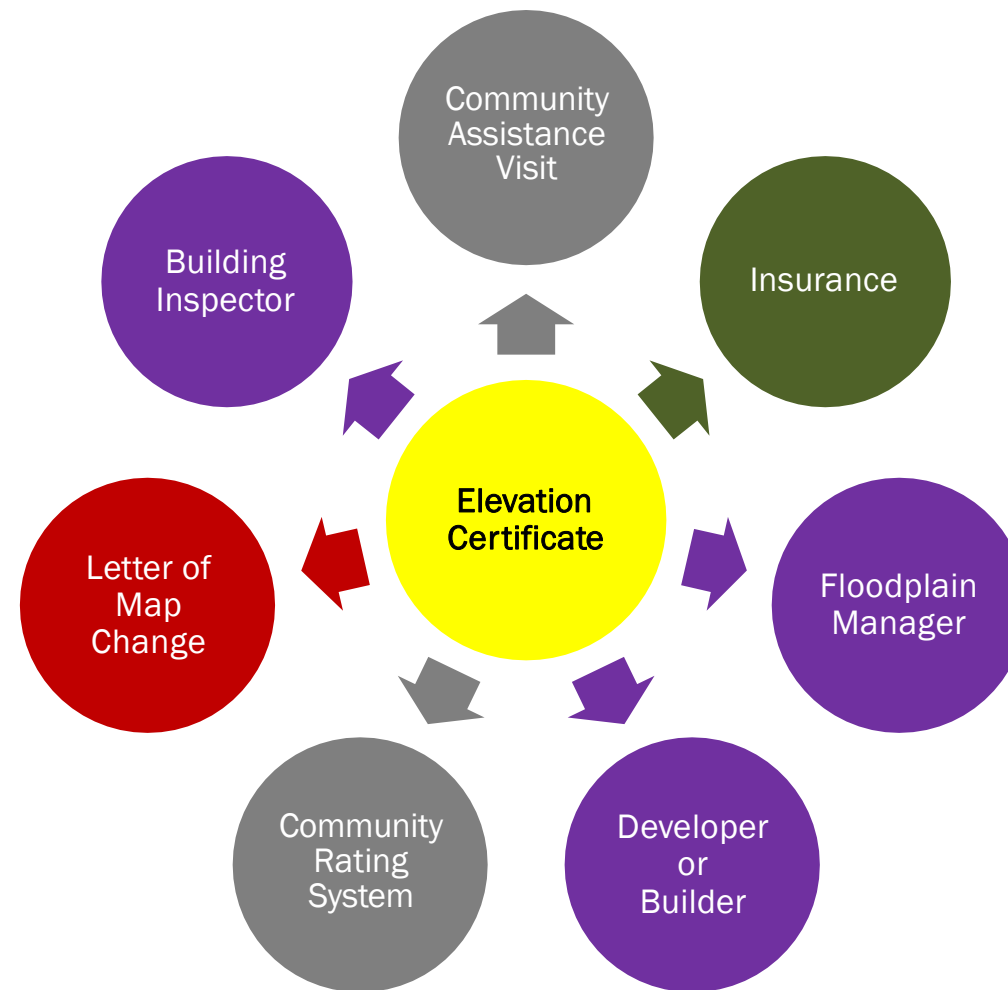
www.fema.gov/flood-insurance/find-form/underwriting



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***Legend: dark green font and boxes indicate new or changed information*

Many uses (and users) of the Elevation Certificate



- Floodplain Management
- Flood Insurance
- Flood Map Change

The EC is an important administrative tool of the NFIP for floodplain management, insurance, and map changes

Updating the Elevation Certificate (EC)

- Updates are part of a routine cycle:
 - New editions of the EC are released every few years.
 - Updates address emerging issues, provide clarification, and add more detail.
 - The amount of change varies version to version (minor or major).
- A completed Elevation Certificate form **does not expire**, unless there is a physical change to the building that invalidates information in the completed EC (Sections A, C, E or H).



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U.S. DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency National Flood Insurance Program		OMB No. 1660-0008 Expiration Date: November 30, 2022
U.S. DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency National Flood Insurance Program		OMB No. 1660-0008 Expiration Date: November 30, 2018
ELEVATION CERTIFICATE IMPORTANT: Follow the instructions on pages 1-9.		OMB No. 1660-0008 Expiration Date: July 31, 2015
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 R.O. Route and Box No.		Company NAIC Number:
City	State	ZIP Code
		company, and (3) building owner.
		FOR INSURANCE COMPANY USE
		cy Number:
		Company NAIC Number:
		al Description, etc.)

Updating the Elevation Certificate (EC)

- Changes to the EC form in 2023 address several key issues.
 - Improves alignment with the NFIP flood insurance rating methodology
 - Reduces the burden on property owners to obtain elevation information for insurance
 - Provides more clarity and detail to floodplain managers when regulating development
 - Provides more specificity for buildings with a combination of both engineered and non-engineered flood openings
 - Updates outdated phone numbers and web addresses

All new ECs on or after November 1, 2023, are required to use the new form.

Always download and use the latest version of the EC form!



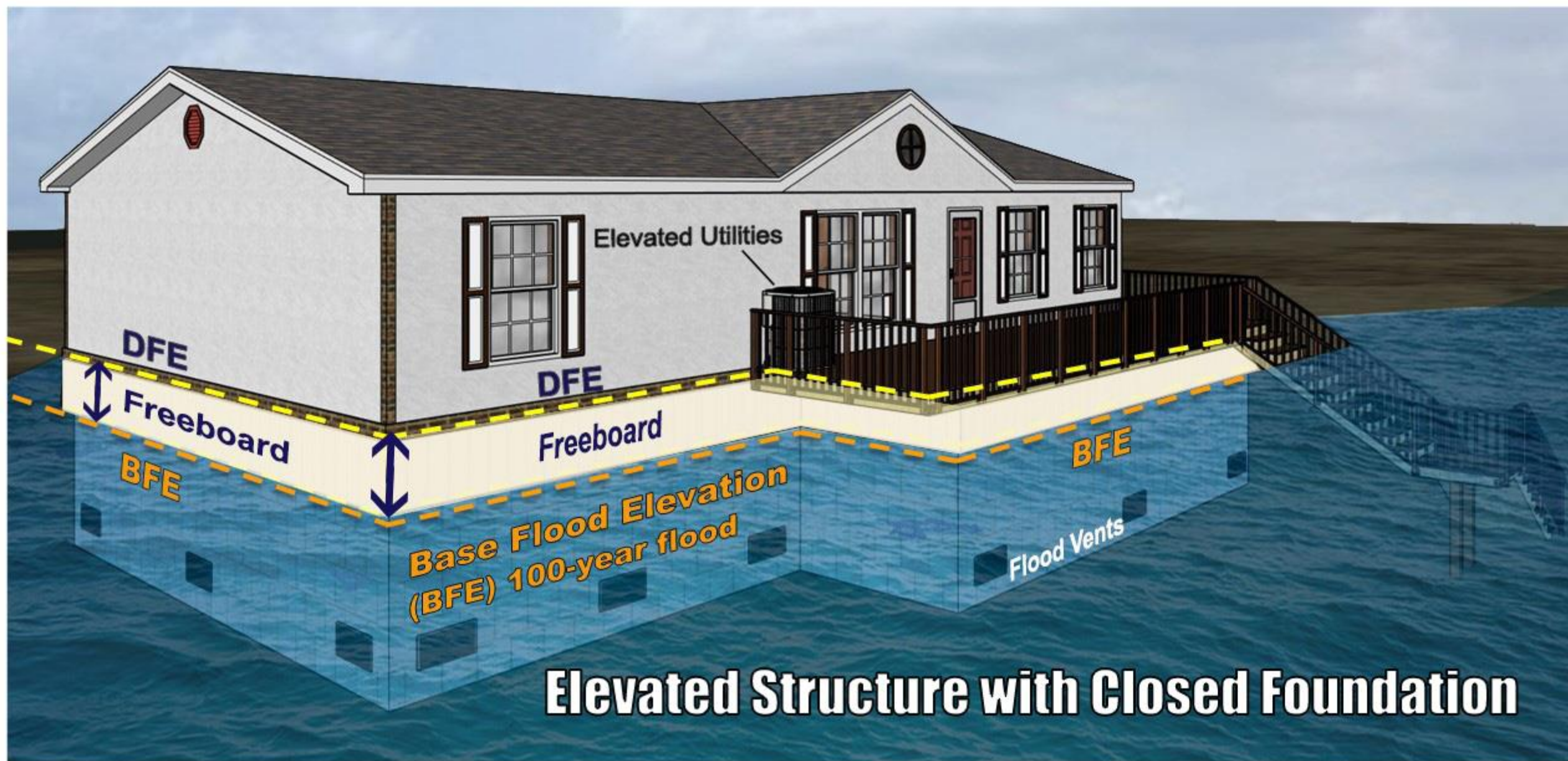
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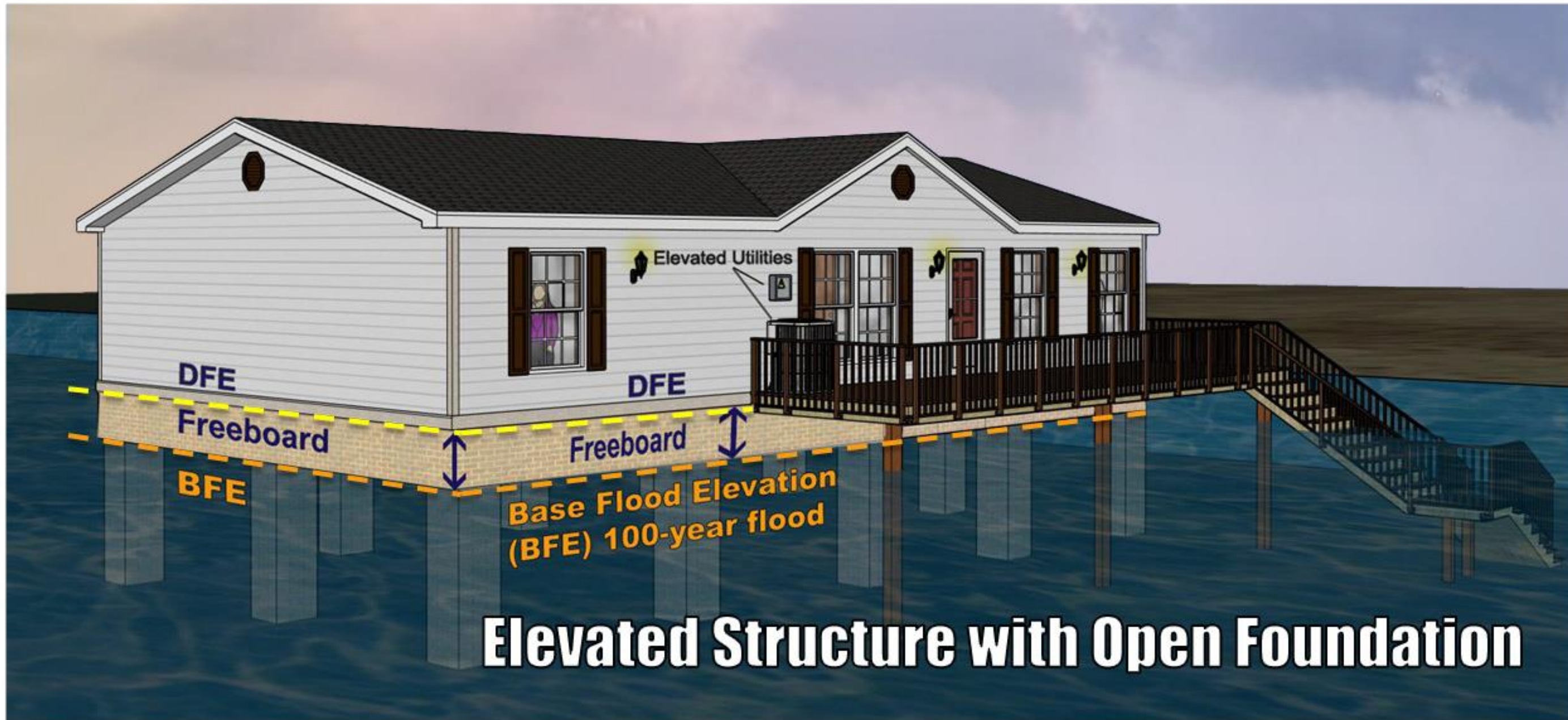
Federal Emergency Management Agency

National Flood Insurance Program (NFIP) Key Terms

FIRM = Flood Insurance Rate Map	Depicts Community's Flood Zones and Risk
Flood Insurance Study	Details history of community's flooding and more detailed info than on FIRM
BFE = Base Flood Elevation	Surface Water Elevation of a 1% chance flood occurring in any given year
SFHA = Special Flood Hazard Area (1% Annual Chance Flood)	Area expected during 100-yr Event
LAG = Lowest Adjacent Grade	Measured immediately next to the building where the foundation or building support touches the ground
HAG = Highest Adjacent Grade	
Bottom Floor Elevation	Lowest enclosed area (basement, crawlspace, slab, garage enclosure). <i>Recorded elevations by Surveyor in Section C of Elevation Certificate.</i>
Lowest Floor Elevation	<u>Before Construction</u>: Minimum building flood elevation level (BFE + Freeboard) for permit. <u>As-Built</u>: Elevation of the lowest floor (including basement) of the finished construction in accordance with the permit. <i>Interpreted by Floodplain Administrator in Section G.</i>
First Floor Height	First living floor of the building at or above grade. <i>Used for rating flood insurance in Section H.</i>

***Legend: dark green font indicates new or changed information*





An aerial photograph of a coastal town, likely in the Northeastern United States, featuring a harbor filled with sailboats, a prominent church steeple, and a dense forest surrounding the town. The image is overlaid with a semi-transparent blue filter.

NFIP Flood Insurance Rating Methodology

NFIP Flood Insurance Rating Methodology

Defining a Property's Unique Flood Risk

- The flood zone and Base Flood Elevation (BFE) are no longer used as direct rating variables.
- Elevations are considered for all properties, regardless of flood zone.



Rating Variables

- Geographic Location
- Structural Variables
- Prior Claims
- Discounts
 - Mitigation
 - Statutory
 - CRS

FEMA now includes more flood risk variables for rating flood insurance: **Geographic Variables** like flood frequency, type of flooding, distance to the flooding source, and **Structure Variables** such as the cost to rebuild the structure. Other rating variables are **Prior Claims** and **Discounts**.

Structural Variables: Building Characteristics

- ❑ Building Occupancy
- ❑ Construction Type
 - *For single-family homes: framed, masonry, other*
- ❑ Foundation Type
- ❑ First Floor Height
- ❑ Lowest Adjacent Grade
- ❑ Building's Replacement Cost Value
 - *Considers square footage (for single-family homes)*
- ❑ Number of Floors in building
 - *Above ground floors only; not counting basements/enclosures*
- ❑ Date of Construction

Elevation Certificate



Building Diagrams
Floor Elevations

The Building Diagrams and Flood Elevations of the Elevation Certificate capture many of the building elements that are needed to determine the insurance rate, including the Foundation Type, First Floor Height, and Lowest Adjacent Grade

6 Foundation Types (Section H)

11 Elevation Certificate Diagrams (Section A)

Slab on Grade (Non-Elevated)



Diagram 1A, 1B, 3

Elevated without Enclosure on Posts, Piles, or Piers



Diagram 5

Elevated with Enclosure Not on Posts, Piles, or Piers (Solid Foundation Walls)



Diagram 7

Basement (Non-Elevated)

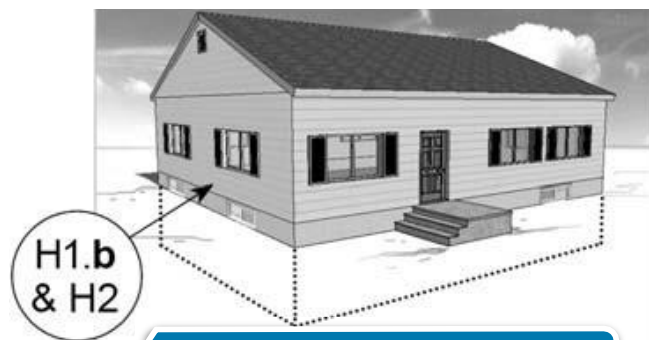


Diagram 2A, 2B, 4

Elevated with Enclosure on Posts, Piles, or Piers



Diagram 6

Crawlspace (Elevated, including Non-Elevated Sub-Grade Crawlspace)

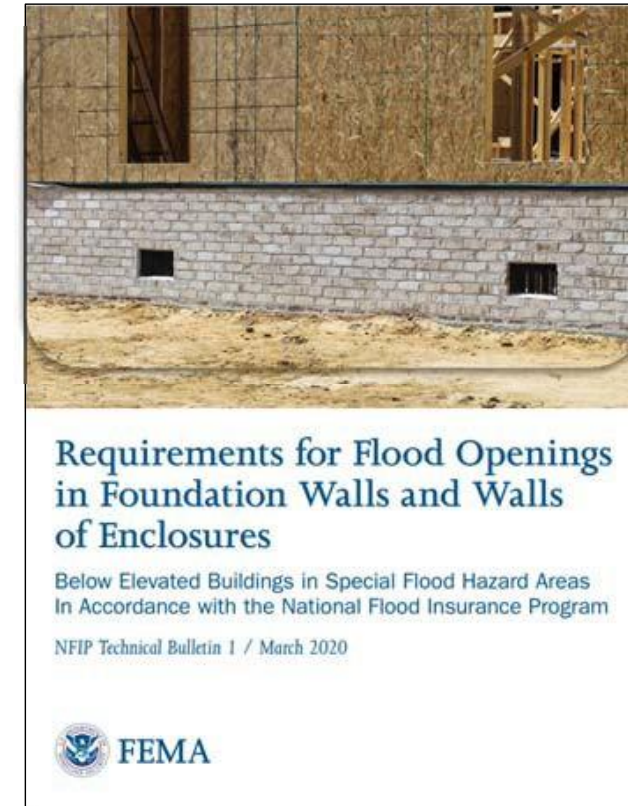


Diagram 8, 9

6 New Foundation Types for Insurance Ratings (Section H) correlate to 11 Building Diagrams (Section A)

Mitigation Discounts

- Flood Openings (in enclosures/crawlspaces)
 - Rates are discounted for buildings in any flood zone with proper openings in the enclosure.
 - The flood insurance application will need to reflect the proper information in order to receive the discount.
- Elevation of Machinery & Equipment (M&E)
 - Rates are discounted for policies with M&E elevated above the first elevated floor.



https://www.fema.gov/sites/default/files/documents/fema_discount-Explanation-Guide.pdf

(note: case sensitive link!)



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Mitigation Discounts

- Flood Openings (in enclosures/crawlspace)
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 - The flood insurance application will need to reflect the proper information in order to receive the discount.
- Elevation of Machinery & Equipment (M&E)
 - Rates are discounted for policies with M&E elevated above the first elevated floor.



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(note: case sensitive link!)

Eligibility for both mitigation discounts could be documented on the Elevation Certificate. The building's flood openings are documented in Section A, and the Machinery & Equipment Elevation is either documented in Section C or in the new Section H.

Impact on Elevation Certificate Updates

- More details about flood openings in Section A help determine the **mitigation discount**.
- Floodplain managers still need the flood zone and Base Flood Elevation (BFE) in Section B of the form for local **floodplain management regulations** and building codes , but they are no longer used as direct rating variables.
- First Floor Height (FFH) for **insurance rating**
 - Survey still not required—Section E didn't capture the correct info needed to find FFH.
 - More information about the location of M&E is needed to determine mitigation discount.
- A new EC section was needed = Section H
 - Use for insurance rating without a survey.
 - Section H is recommended over Section E.

Elevation Certificate was updated to support more accurate flood insurance ratings in all flood zones while still needed for floodplain management and lender decisions

An aerial photograph of a coastal town, likely Annapolis, Maryland, featuring a harbor filled with sailboats, a prominent church steeple, and surrounding dense green forest. The image is overlaid with a semi-transparent blue filter.

2023 Elevation Certificate (EC) Form

Overview of Changes to the Sections of the EC

- Section A – Property Information **Expanded**
- Section B – FIRM Information **Additional information**
- Section C – Building Elevations (Survey needed) **More instructions, clarity**
- Section D – Surveyor Certification (for Section C) **Additional information**
- Section E – Building Measurements (Survey not needed) **More instructions, clarity**
- Section F – Owner or Representative Certification (for Section E) **Additional information**
- Section G – Community Information (Recommended) **Expanded**
- Section H – First Floor Height (insurance only; survey not needed) **NEW SECTION**
- Section I – Owner or Representative Certification (for Section H) **NEW SECTION**



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Section A

Property Information

Section A – Property Information

ELEVATION CERTIFICATE
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SECTION A – PROPERTY INFORMATION	FOR INSURANCE COMPANY USE
A1. Building Owner's Name: <input type="text"/>	Policy Number: <input type="text"/>
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <input type="text"/>	Company NAIC Number: <input type="text"/>
City: <input type="text"/> State: <input type="text"/> ZIP Code: <input type="text"/>	
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: <input type="text"/>	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): <input type="text"/>	
A5. Latitude/Longitude: Lat. <input type="text"/> Long. <input type="text"/> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983 <input checked="" type="checkbox"/> WGS 84	
A6. Attach at least two and when possible four clear photographs (one for each side) of the building (see Form pages 7 and 8).	
A7. Building Diagram Number: <input type="text"/>	
A8. For a building with a crawlspace or enclosure(s): a) Square footage of crawlspace or enclosure(s): <input type="text"/> sq. ft. b) Is there at least one permanent flood opening on two different sides of each enclosed area? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: Non-engineered flood openings: <input type="text"/> Engineered flood openings: <input type="text"/>	

- Can be completed by the community or homeowner
- Property Description & Building Use
- Latitude/Longitude & Horizontal datum (WGS 84 added)
- Photographs, two required for all uses – four, when possible
- Building diagram number
- Measurements of crawl spaces, enclosures, attached garages, and flood openings



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11 Building Diagrams: Clarification on Diagram 7 and 8

BUILDING DIAGRAMS

The following diagrams illustrate various types of buildings. Compare the features of the building being certified with the features shown in the diagrams and select the diagram most applicable. Enter the diagram number in Item A7, the square footage of crawlspace or enclosure(s) and the area of flood openings as indicated in Items A8 a-f, the square footage of attached garage and the area of flood openings as indicated in Items A9 a-f, and the elevations in Items C2 a-h.

In A, B, C, X and D zones, the floor elevation is taken at the top finished surface of the floor indicated; in V zones, areas seaward of the LIMWA, and in other areas regulated for coastal flooding hazards, the floor elevation is taken at the bottom of the lowest horizontal structural member (see figure at end of instructions for Section C).

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 one side.*

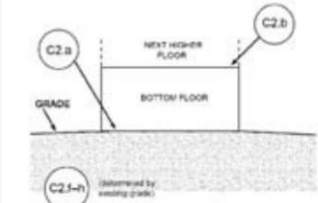


DIAGRAM 1B

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 one side.*

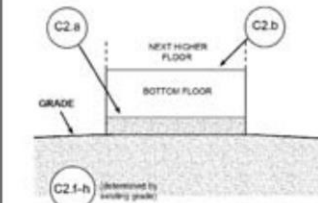


DIAGRAM 2A

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.*

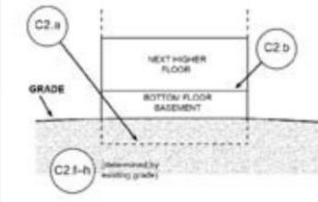
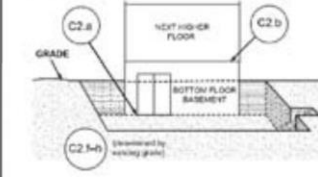


DIAGRAM 2B

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 underground garage) is below ground level (grade) on all sides; most of the height of the walls is below ground level on all sides; and the door and area of egress are also below ground level on all sides.*



* A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.

BUILDING DIAGRAMS

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 one side.*

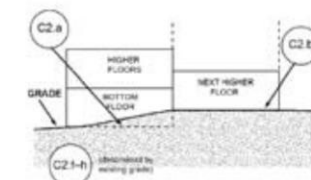


DIAGRAM 4

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.*

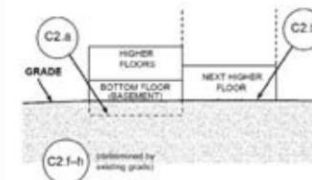


DIAGRAM 5

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).

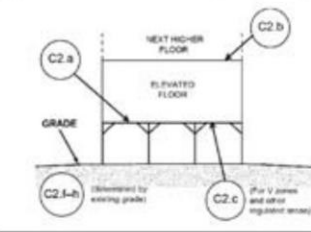
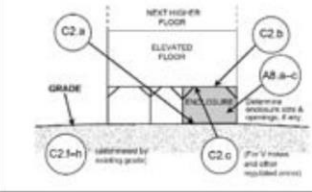


DIAGRAM 6

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.



* A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.

** An "opening" is a permanent opening that allows for the free passage of water automatically in both directions without human intervention. Under the NFIP, a minimum of two openings is required for enclosures or crawlspaces. The openings shall provide a total net area of not less than one square inch for every square foot of area enclosed, excluding any tank, louvers, or other covers of the opening. Alternatively, an Individual Engineered Flood Openings Certification or an Evaluation Report issued by the ICC-ES must be submitted to document that the design of the openings will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening; openings may be installed in doors. Openings shall be on at least two sides of the enclosed area. If a building has more than one enclosed area, each area must have openings to allow floodwater to directly enter. The bottom of the openings must be no higher than 1.0 foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.

BUILDING DIAGRAMS

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.

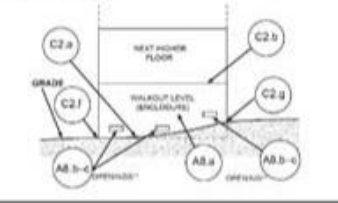


DIAGRAM 8

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. (If the distance from the crawlspace floor to the top of the next higher floor is more than 5 feet, use Diagram 7.)

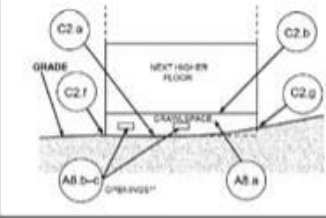
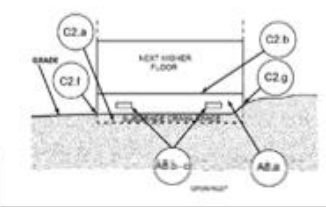


DIAGRAM 9

All buildings (other than split-level) elevated on a sub-grade crawlspace, with or without attached garage.

Distinguishing Feature – The bottom (crawlspace) floor is below ground level (grade) on all sides.* (If the distance from the crawlspace floor to the top of the next higher floor is more than five feet, or the crawlspace floor is more than two feet below the grade [LAG] on all sides, use Diagram 2A or 2B.)



* A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.

** An "opening" is a permanent opening that allows for the free passage of water automatically in both directions without human intervention. Under the NFIP, a minimum of two openings is required for enclosures or crawlspaces. The openings shall provide a total net area of not less than one square inch for every square foot of area enclosed, excluding any tank, louvers, or other covers of the opening. Alternatively, an Individual Engineered Flood Openings Certification or an Evaluation Report issued by the ICC-ES must be submitted to document that the design of the openings will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening; openings may be installed in doors. Openings shall be on at least two sides of the enclosed area. If a building has more than one enclosed area, each area must have openings to allow floodwater to directly enter. The bottom of the openings must be no higher than 1.0 foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.

Building Diagrams: Clarification on Diagram 7 and 8

BUILDING DIAGRAMS

The following diagrams illustrate various types of buildings. Compare the features of the building being certified with the features shown in the diagrams and select the diagram most applicable. Enter the diagram number in Item A7, the square footage of crawlspace or enclosure(s) and the area of flood openings as indicated in Items A8 a-f, the square footage of attached garage and the area of flood openings as indicated in Items A9 a-f, and the elevations in Items C2 a-h.

In A, B, C, X and D zones, the floor elevation is taken at the top finished surface of the floor indicated; in V zones, areas seaward of the LIMWA, and in other areas regulated for coastal flooding hazards, the floor elevation is taken at the bottom of the lowest horizontal structural member (see figure at end of instructions for Section C).

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 one side.*

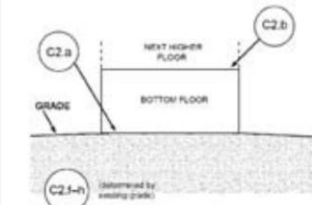


DIAGRAM 1B

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 one side.*

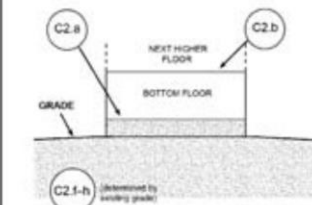


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Distinguishing Feature – The bottom floor (basement or underground garage) is below ground level (grade) on all sides.*

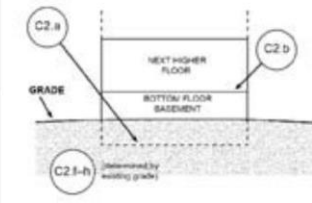
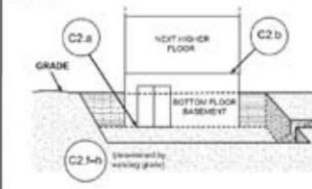


DIAGRAM 2B

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 underground garage) is below ground level (grade) on all sides; most of the height of the walls is below ground level on all sides and the door and area of egress are also below ground level on all sides.*

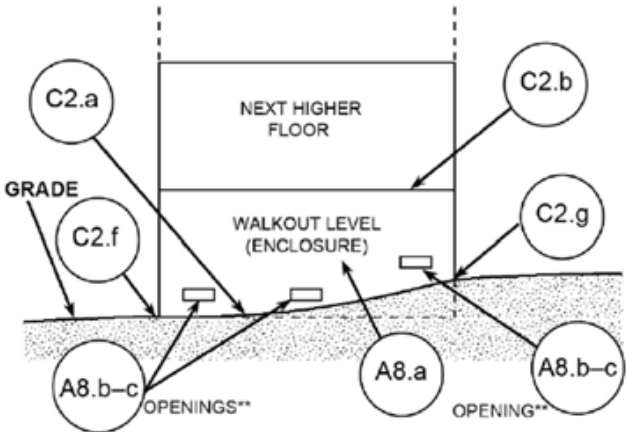


* A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.

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.

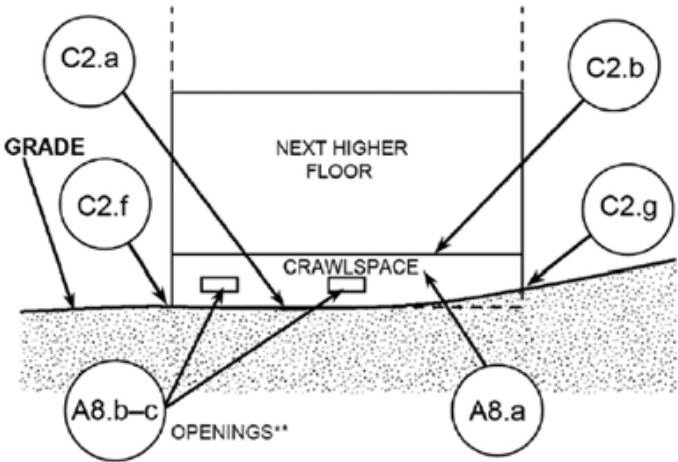


Openings to allow floodwater to directly enter. The bottom of the openings must be no higher than 1.0 foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.

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. (If the distance from the crawlspace floor to the top of the next higher floor is more than 5 feet, use Diagram 7.)



for every square foot of area enclosed, excluding any bank, tower, or other covers of the opening. Alternatively, an individual Engineered Flood Openings Certification or an Evaluation Report issued by the ICC-ES must be submitted to document that the design of the openings will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening; openings may be installed in doors. Openings shall be on at least two sides of the enclosed area. If a building has more than one enclosed area, each area must have openings to allow floodwater to directly enter. The bottom of the openings must be no higher than 1.0 foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.

A8 – Crawlspace or Enclosure

- Building Diagrams 6, 7, 8, 9

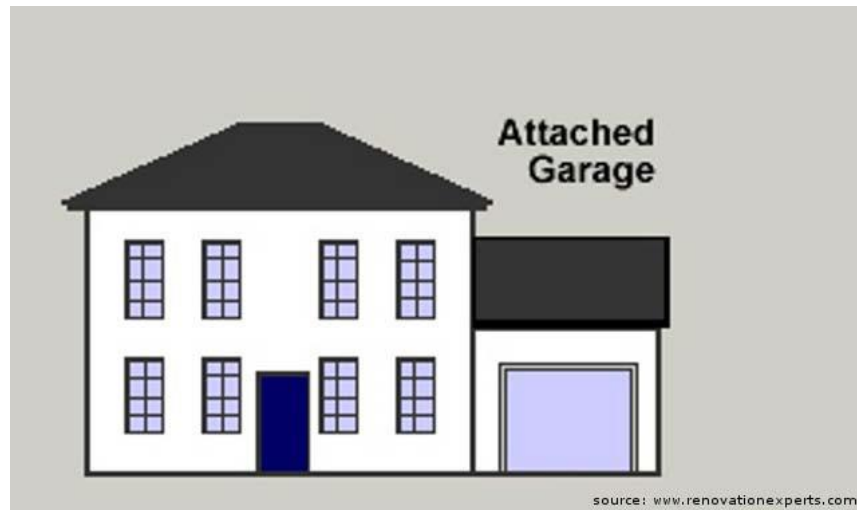


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A9 – Attached Garage

Attached Garage

- Common wall, Single structure
- Nothing above the garage



Not an Attached Garage

- Parking on the bottom floor
- Enclosure underneath an elevated building



A8 / A9 and Flood Openings

A8: Enclosure (not Attached Garage)



A9: Attached Garage



FEMA

Flood Openings

A permanent flood opening allows for the free passage of water automatically in both directions without human intervention.

Sections A8 and A9 **expanded** to collect more information about flood openings and the NFIP requirements...

- A minimum of two openings (at least one on two different sides) are required for every enclosed area or crawlspace. (A8b/A9b)
 - ASCE 24 & building code consistency
- Detailing number and type(s) of flood openings

A8. For a building with a crawlspace or enclosure(s):

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

b) Is there at least one permanent flood opening on two different sides of each enclosed area? ☐ Yes ☐ No ☐ N/A

c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade:
Non-engineered flood openings: Engineered flood openings:

d) Total net open area of non-engineered flood openings in A8.c: sq. in.

e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): sq. ft.

f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): sq. ft.

A9. For a building with an attached garage:

a) Square footage of attached garage: sq. ft.

b) Is there at least one permanent flood opening on two different sides of the attached garage? ☐ Yes ☐ No ☐ N/A

c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade:
Non-engineered flood openings: Engineered flood openings:

d) Total net open area of non-engineered flood openings in A9.c: sq. in.

e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): sq. ft.

f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): sq. ft.



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No more than one (1.0) foot above grade

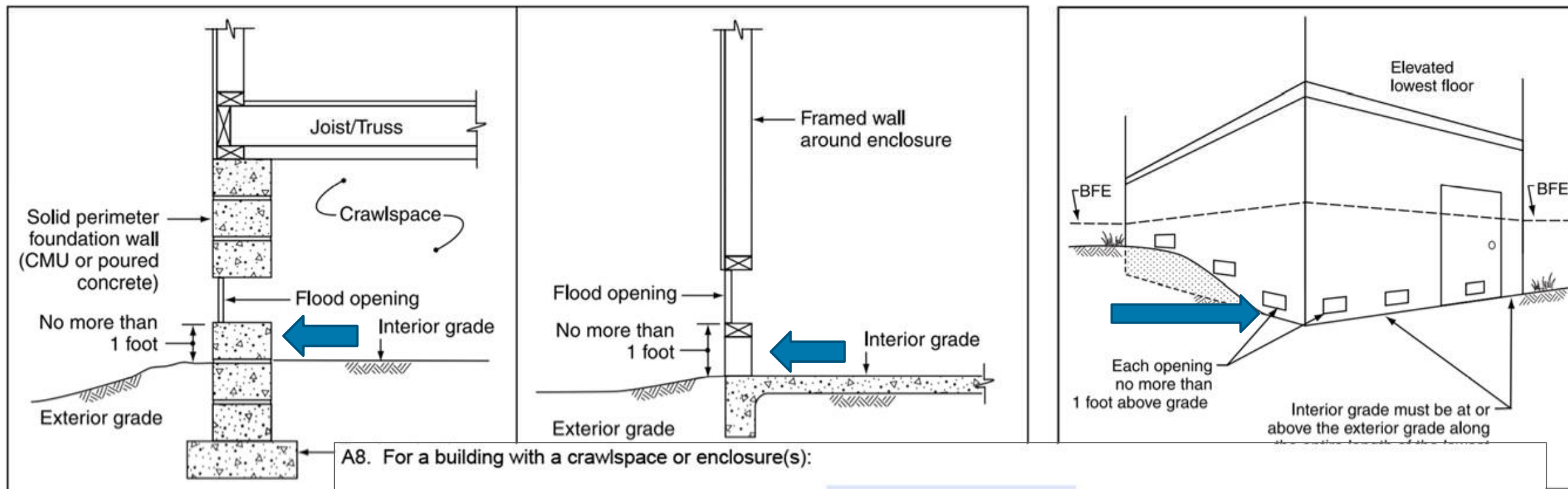


Figure 1. Typical enclosures with

A8. For a building with a crawlspace or enclosure(s):

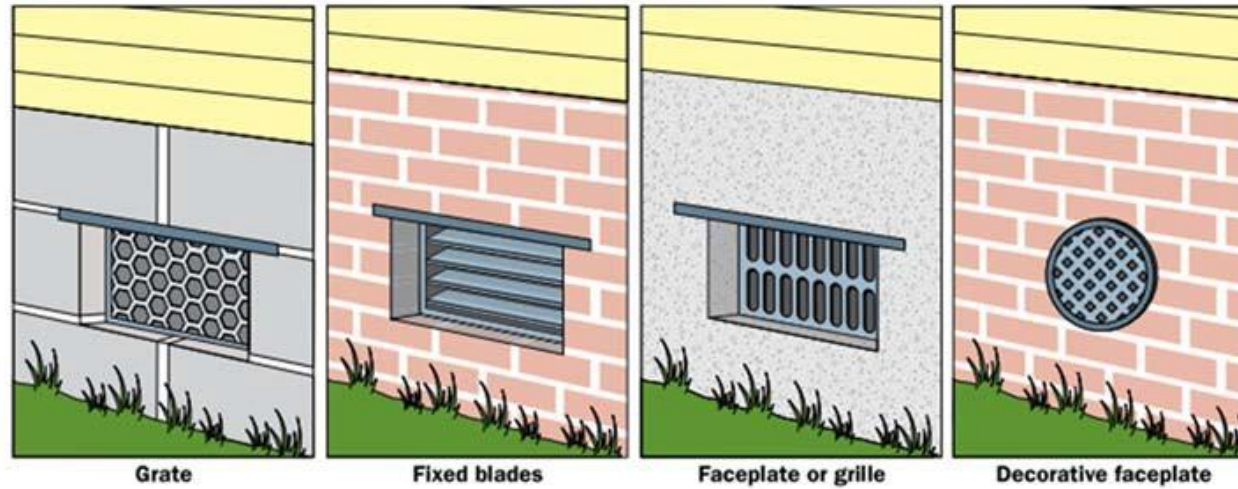
- a) Square footage of crawlspace or enclosure(s): sq. ft.
- b) Is there at least one permanent flood opening on two different sides of each enclosed area? ☐ Yes ☐ No ☐ N/A
- c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade:
Non-engineered flood openings: Engineered flood openings:



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Flood Openings



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Federal Emergency Management Agency

A8 or A9 (c) – What type of flood openings? How many of each?

- Non-engineered Flood Openings
- A permanent opening without moving parts that allows for the free passage of water automatically in both directions without human intervention.
- Required ratio for compliance:
1 square inch of flood openings
1 square foot of enclosure

Engineered Flood Openings

- Flood conditions trigger the movable parts to allow floodwater and debris to freely and automatically enter or exit.
- Design and performance criteria in ASCE 24

A9. For a building with an attached garage:

a) Square footage of attached garage: _____ sq. ft.

b) Is there at least one permanent flood opening on two different sides of the attached garage? ☐ Yes ☐ No ☐ N/A

c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade:

Non-engineered flood openings: _____ Engineered flood openings: _____



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If Engineered Flood Openings are used...

- ...Certification needed.
 - Individual Engineered Flood Openings Certification, or an Evaluation Report issued by the International Code Council Evaluation Service (ICC-ES)
 - ICC-ES Evaluation Report includes design requirements, rated area, and certification specifications.
- Attach to Elevation Certificate



(305 mm). In order to comply with the engineered opening design principle noted in Sections 2.7.2.2 and 2.7.3 of ASCE/SEI 24-14 (2018 and 2015 IBC and IRC) [Section 2.6.2.2 of ASCE/SEI 24-05 (2012 and 2009 IBC and IRC)], FVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one FV for every 220 square feet (20 m²) of enclosed area.

attributes not specifically addressed, nor are they to be construed warranty by ICC Evaluation Service, LLC, express or implied, as



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A8 or A9 (d-e-f)

- A8d/A9d = Net open area for non-engineered openings
- A8e/A9e = “Rated area” for engineered openings
- A8f/A9f = If using both kinds, add them up



(305 mm). In order to comply with the engineered opening design principle noted in Sections 2.7.2.2 and 2.7.3 of ASCE/SEI 24-14 (2018 and 2015 IBC and IRC) [Section 2.6.2.2 of ASCE/SEI 24-05 (2012 and 2009 IBC and IRC)], FVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one FV for every 220 square feet (20 m²) of enclosed area.

attributes not specifically addressed, nor are they to be construed as warranty by ICC Evaluation Service, LLC, express or implied, as



Page 1 of 5

A9. For a building with an attached garage:

- a) Square footage of attached garage: 916.00 sq. ft.
- b) Is there at least one permanent flood opening on two different sides of the attached garage? ☒ Yes ☐ No ☐ N/A
- c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade:
Non-engineered flood openings: 1 Engineered flood openings: 4
- d) Total net open area of non-engineered flood openings in A9.c: 140.00 sq. in.
- e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): 880.00 sq. ft.
- f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): 1,020.00 sq. ft.



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Section A – Updated Instructions

- A5. Indicate latitude/longitude method or source in Comments.
- A6. Provide four photographs of building (when possible)
- A8/A9.b. Is there at least 2 flood openings (within 1.0 ft of adjacent grade) and are they on at least 2 exterior walls?
- A8/A9.c. What is the total number of flood openings (non-engineered and/or engineered)?
- A8/A9.d. What is the *total measured net open area* of the non-engineered flood openings?
- A8/A9.e. What is the *total rated area* of the engineered flood openings?
- A8/A9.f. Are *both* engineered *and* non-engineered flood openings present?



Section B

Flood Insurance Rate Map (FIRM) Information

Section B – FIRM Information

- No major changes in form data collected...
...but specificity and clarity **added** to instructions.

- Different layout for B1-B9 (lines, not a table-grid)
- B1b. Community **Identification** Number
- *In multiple zones?* B8 – List all flood zones, B9 – list all appropriate BFEs
- **B13. Seaward of LIMWA?**

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)

SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION	
B1.a. NFIP Community Name:	B1.b. NFIP Community Identification Number:
B2. County Name:	B3. State: <input type="text"/>
B4. Map/Panel No.:	B5. Suffix:
B6. FIRM Index Date:	B7. FIRM Panel Effective/Revised Date:
B8. Flood Zone(s):	B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth):
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: <input checked="" type="checkbox"/> FIS <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other:	
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source:	
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input type="checkbox"/> No Designation Date: <input type="text"/> <input type="checkbox"/> CBRS <input type="checkbox"/> OPA	
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? <input type="checkbox"/> Yes <input type="checkbox"/> No	

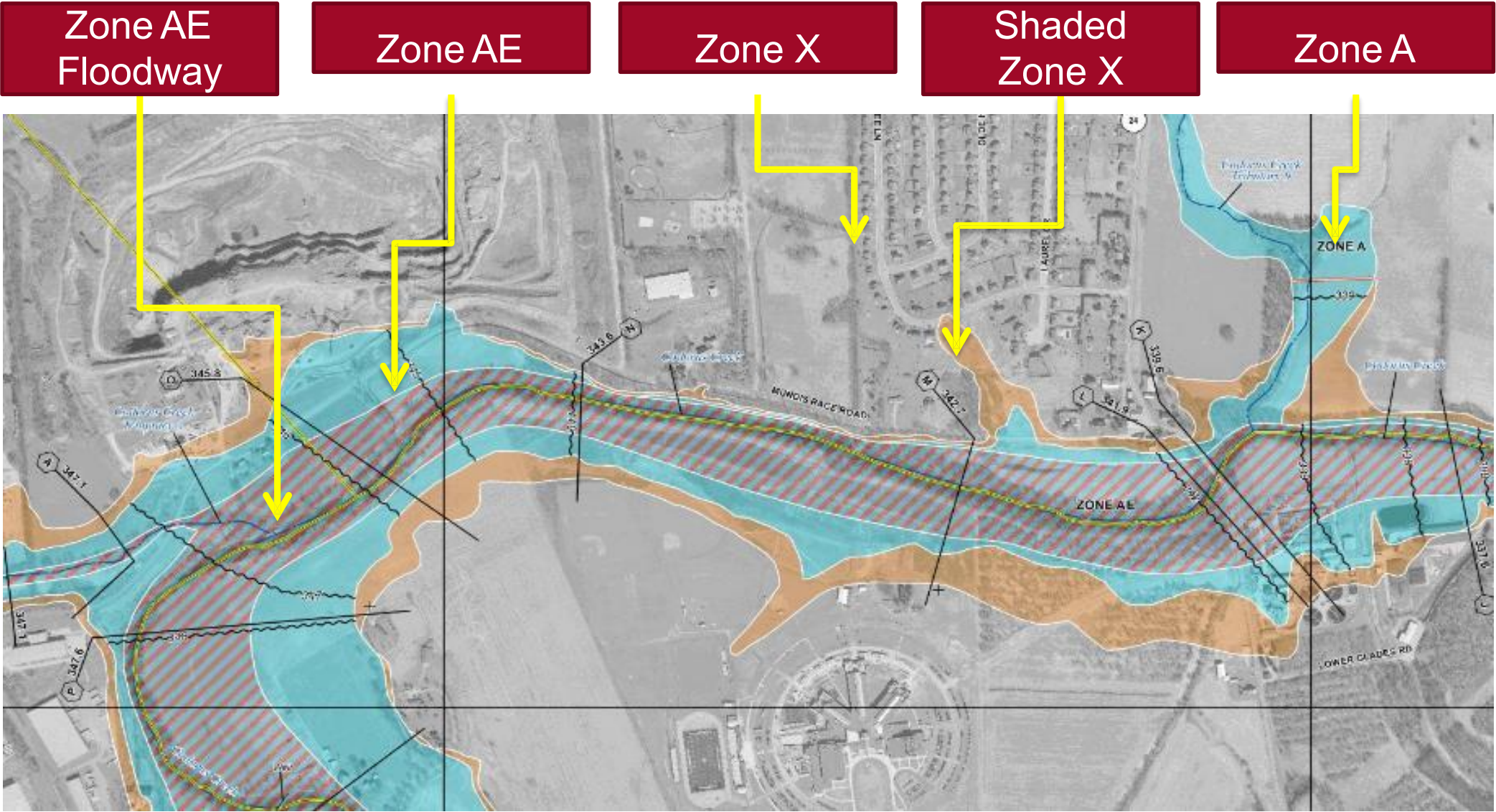


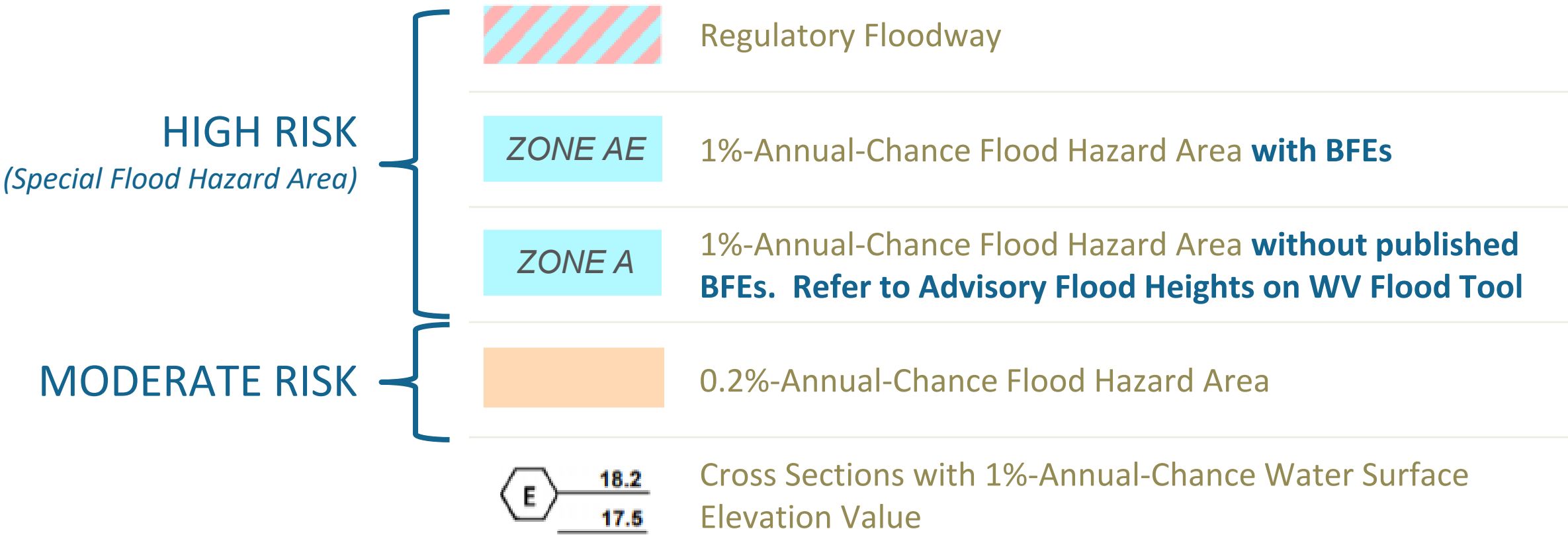
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Section B – Updated Instructions

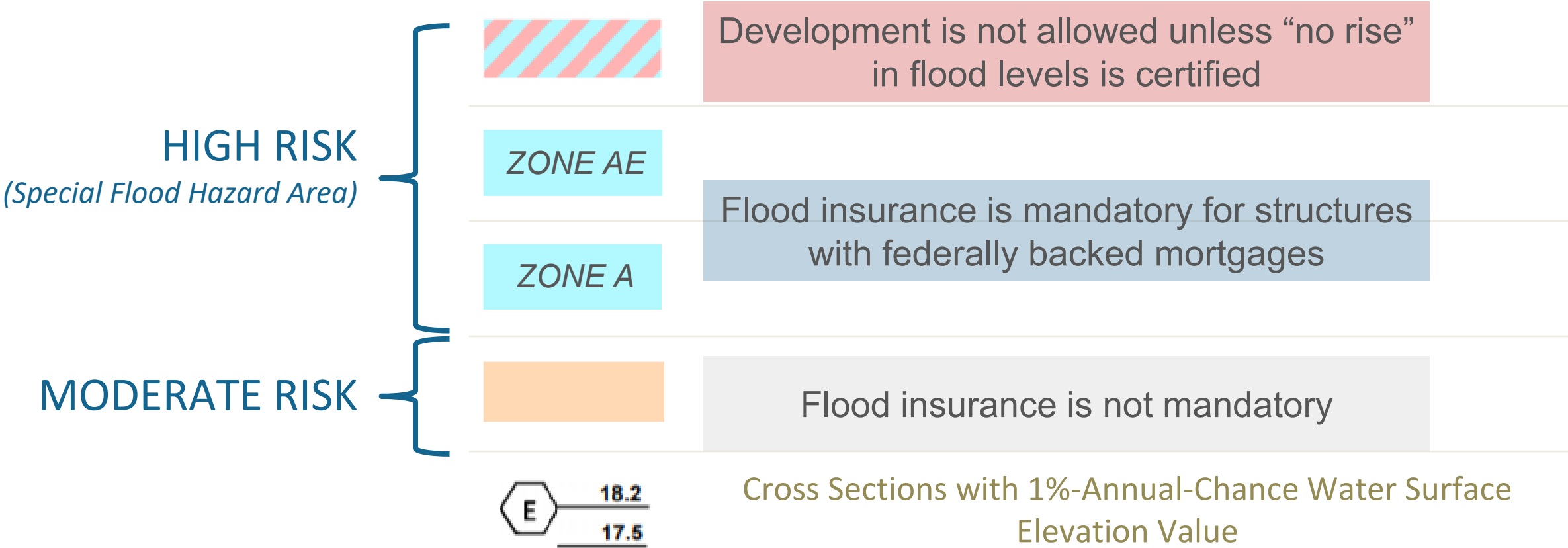
- Instructions:
 - If using information based on best available data, such as base-level engineering or advisory flood hazard data, indicate in the Comments area of Section D.
- B7. FIRM panel effective date sources:
 - msc.fema.gov or local floodplain official
 - If the area where the building is located was revised by a LOMR, enter the LOMR effective date & case number in the Comments area of Section D.
- B8. WV Flood Tool, FIRM, or NFHL Viewer
- B9. BFE:
 - Enter the base flood depth to the nearest 0.1 foot (in Puerto Rico, nearest 0.1 meter).
 - **The BFE entered in Item B9 must be based on hydrologic and hydrologic analyses.**
 - In an A Zone where BFEs are not obtained from another source, enter “N/A” in Item B9 and complete Section E.
- B10. Indicate the source entered in Item B9:
 - If BFE from other source (*other than FIS/FIRM/community*): include the study name, source (agency or company that produced it), and date completed.



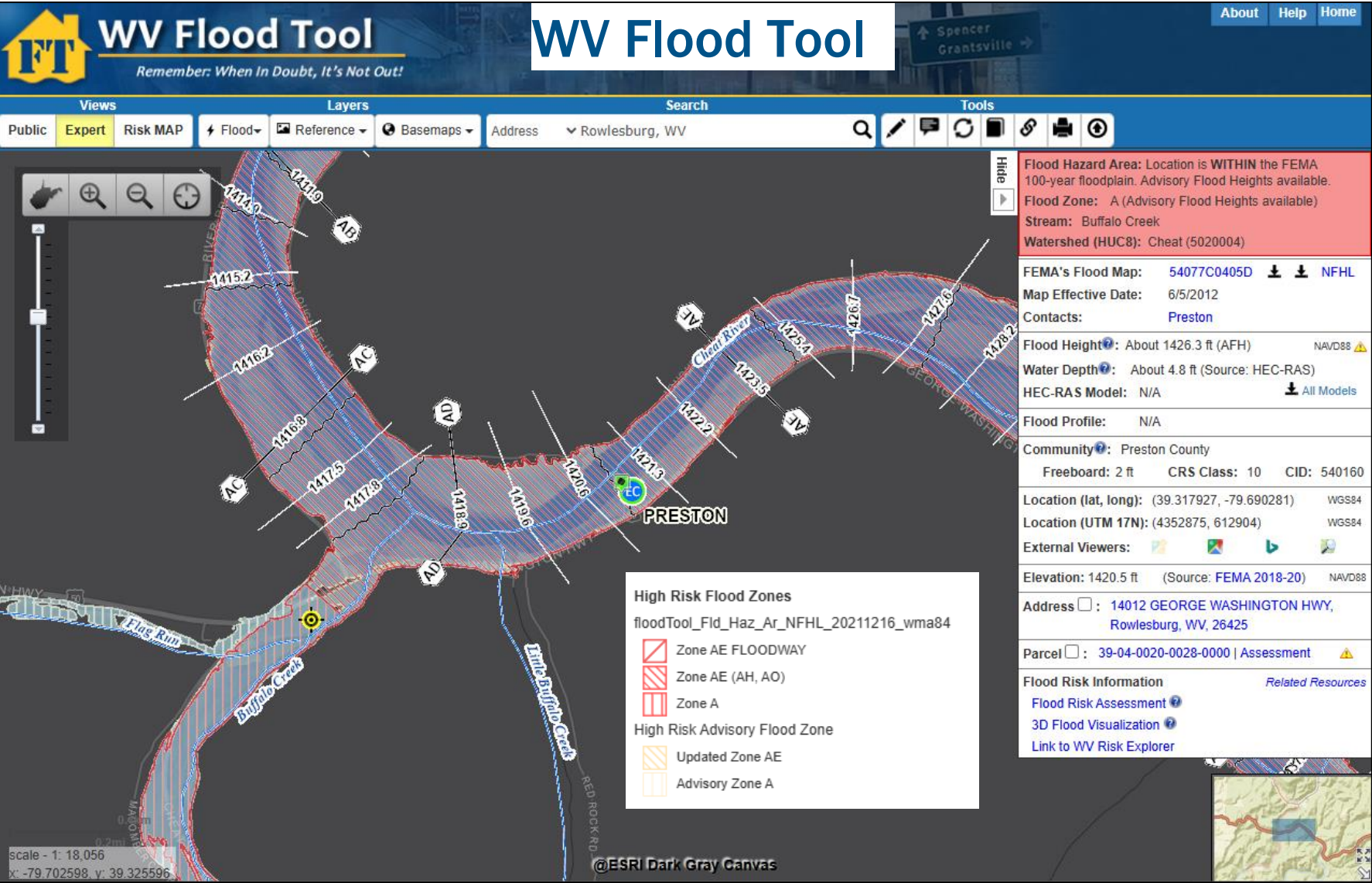


Floodplain Map Overview

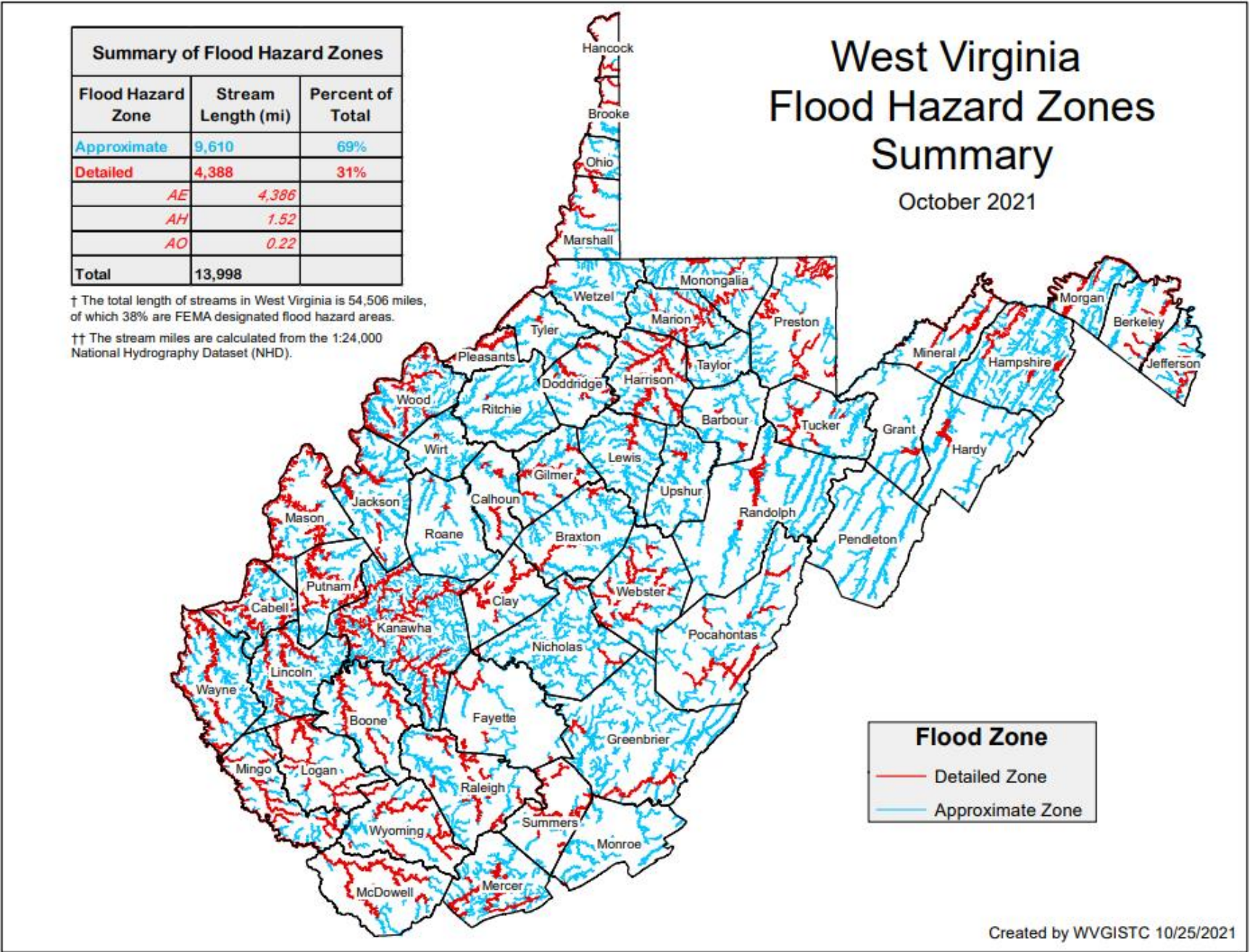
B8 – Flood Zone



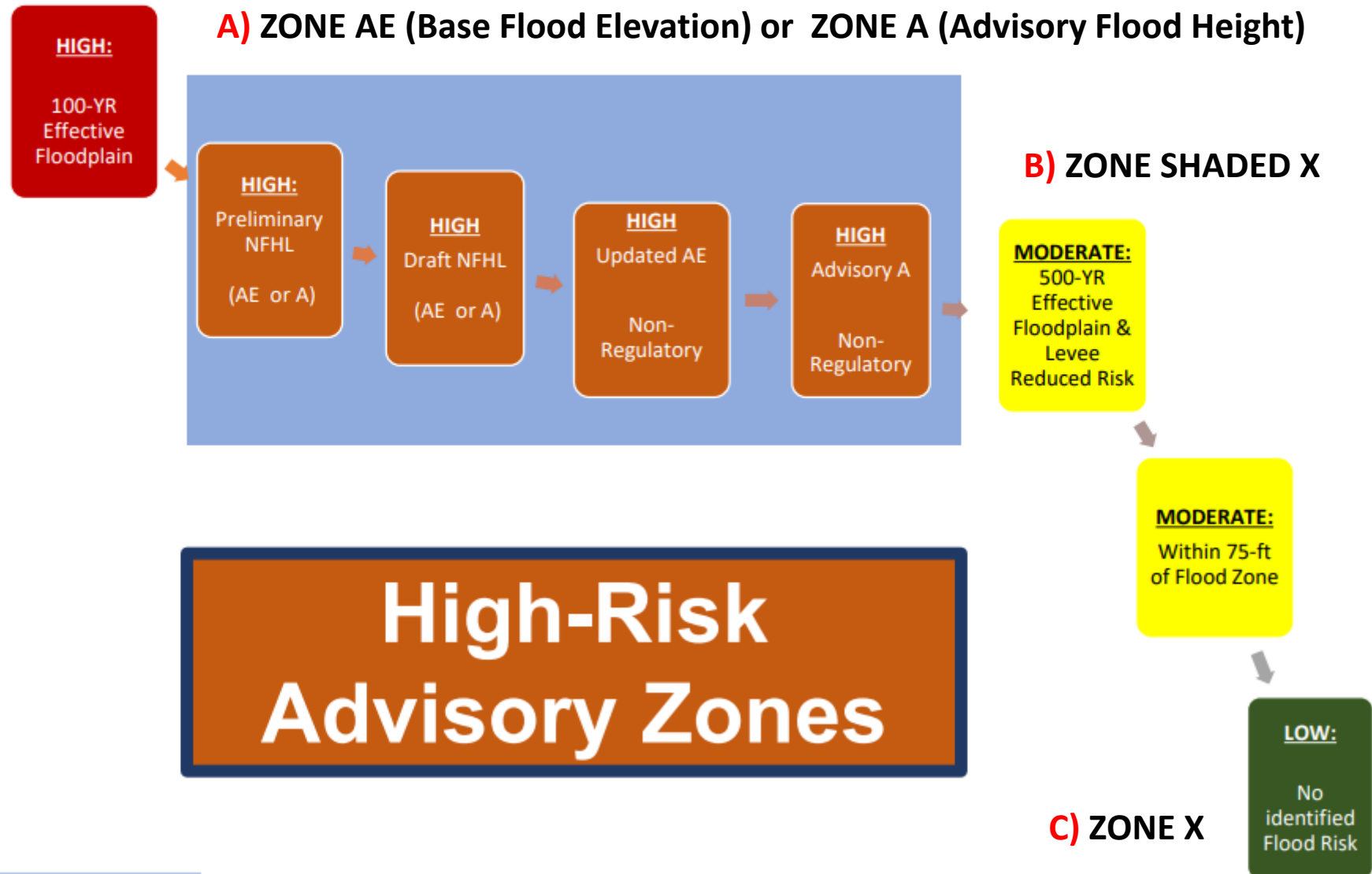
FIRM Information on WV Flood Tool

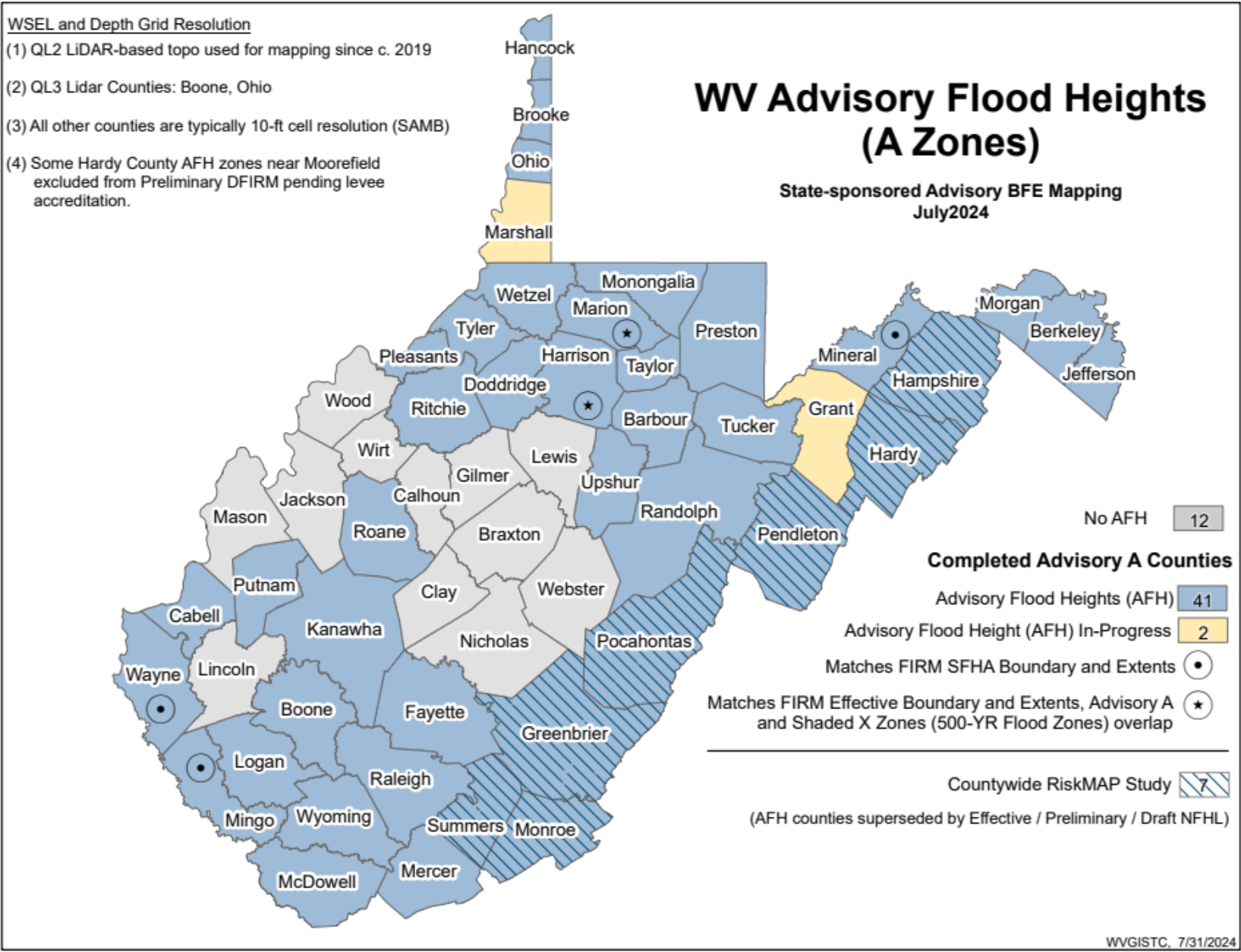


B8 – Flood Zone

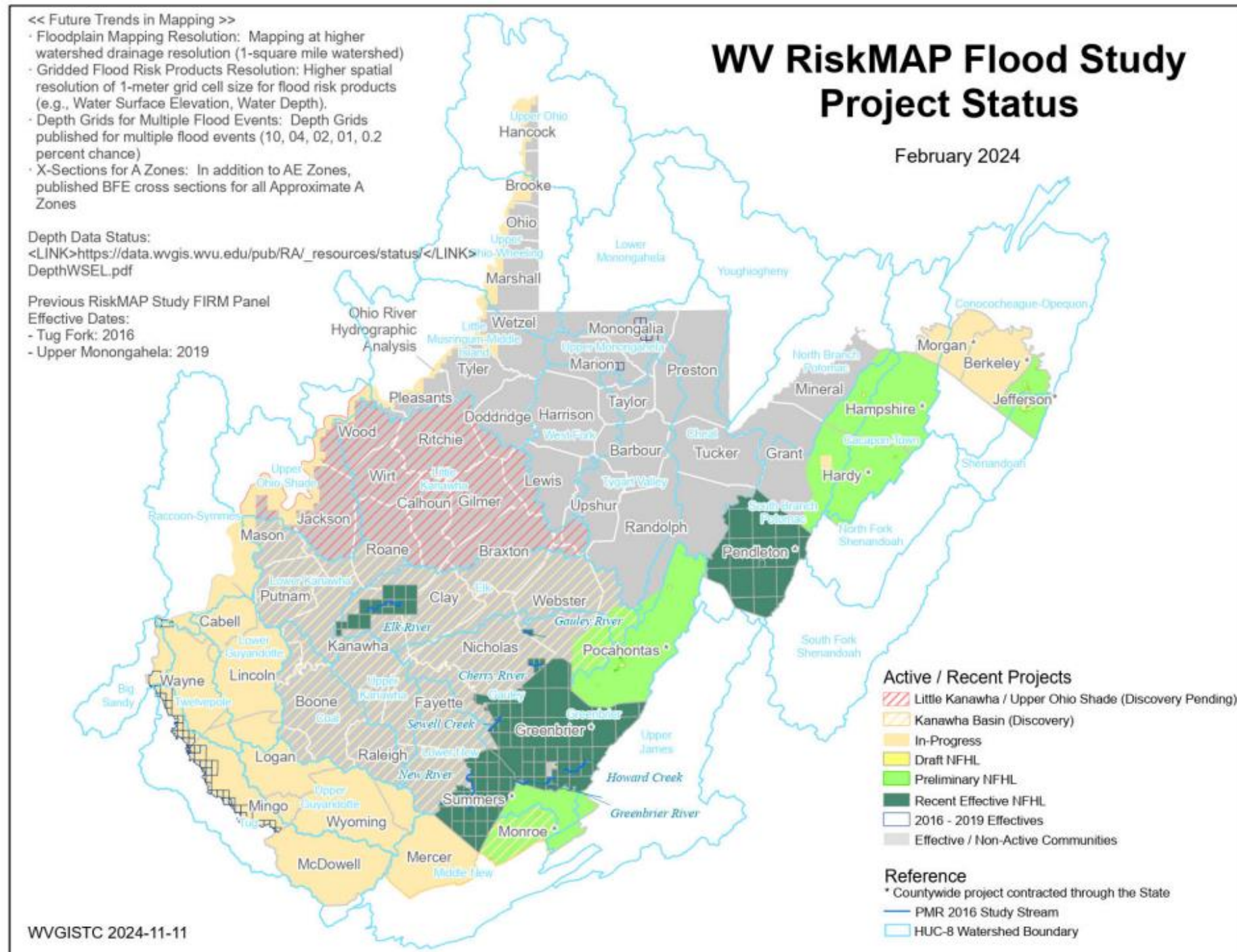


Flood Zone Determination Sequence





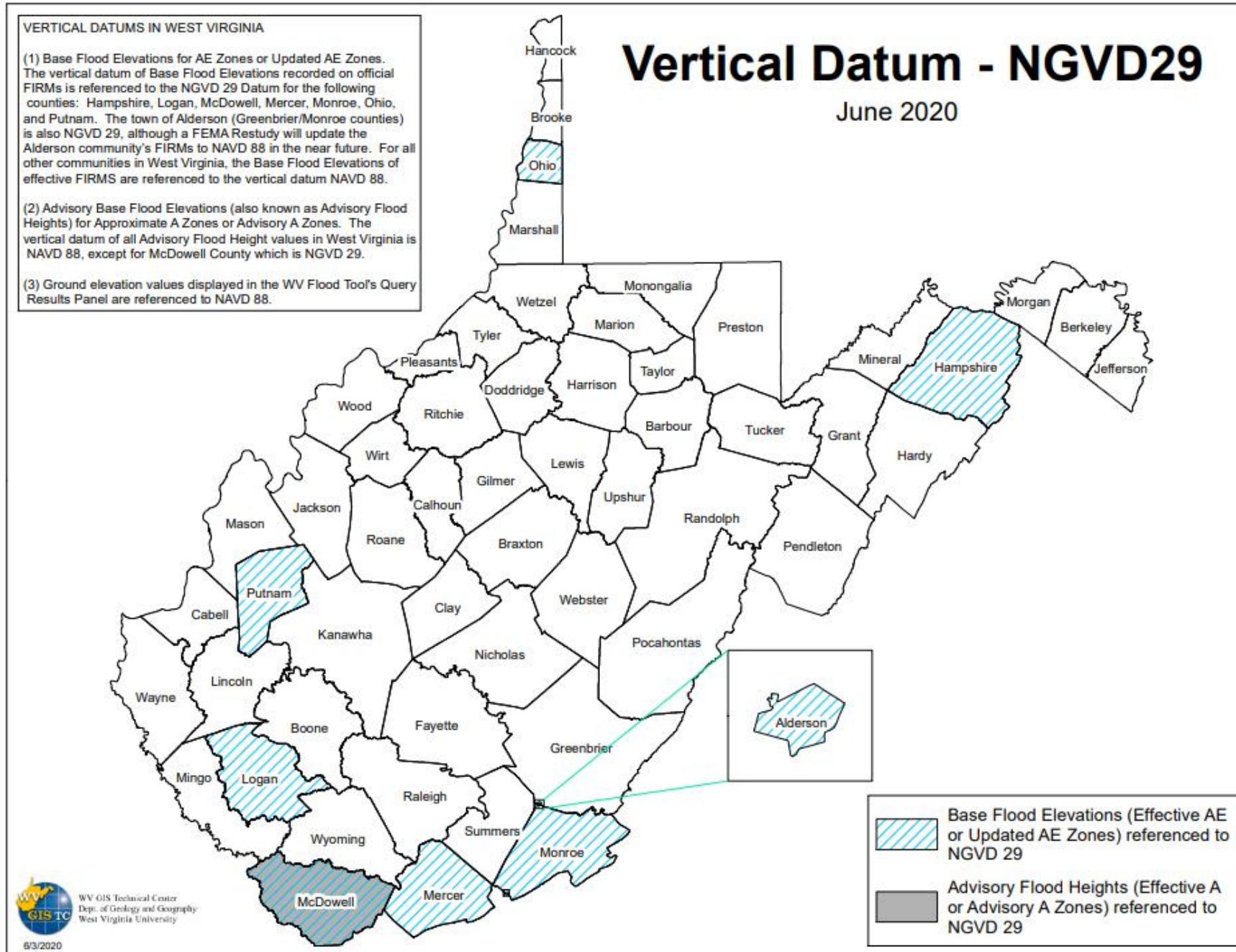
Future Maps



Section B – Updated Instructions

- B11. Make sure to select the correct elevation datum of the BFE or Advisory Flood Heights. There are still model-backed flood studies in WV that reference the NGVD 1929 datum.
- B12. Is the building in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?
 - CBRS areas and OPAs are no longer shown on the FIRMs, though they may be visible on the National Flood Hazard Layer Viewer (msc.fema.gov/nfhl)
 - Use the official maps of these areas, available at www.fws.gov/cbra/ to complete item B12.
- B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)?
 - If LiMWA is not shown on FIRM, check “No”
 - Visit www.fema.gov/flood-maps/coastal/insurance-rate-maps for information about the LiMWA and other coastal zones.





Section C

Building Elevation Information (Survey Required)

Section C – Building Elevation Information (Survey Required)

- For Zones with BFE
- Survey required by licensed professional
- **New:** Datum Conversion factor checkbox
 - If yes, prompt to describe in Section D.
- Section C may be completed for insurance purposes to determine First Floor Height for insurance purposes for any zone, including B (Zone X Shaded; 500-YR; Behind Levee), and C (Zone X Unshaded; Minimal Flood Hazard), and D (Undetermined)

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)		
C1. Building elevations are based on: <input type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input type="checkbox"/> Finished Construction *A new Elevation Certificate will be required when construction of the building is complete.		
C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: <input type="text"/> Vertical Datum: <input type="text"/>		
Indicate elevation datum used for the elevations in items a) through h) below. <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other: <input type="text"/>		
Datum used for building elevations must be the same as that used for the BFE. Conversion factor used? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, describe the source of the conversion factor in the Section D Comments area.		
a) Top of bottom floor (including basement, crawlspace, or enclosure floor):	<input type="text"/>	Check the measurement used: <input type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor (see Instructions):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (see Instructions):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest Adjacent Grade (LAG) next to building: <input type="checkbox"/> Natural <input type="checkbox"/> Finished	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest Adjacent Grade (HAG) next to building: <input type="checkbox"/> Natural <input type="checkbox"/> Finished	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
h) Finished LAG at lowest elevation of attached deck or stairs, including structural support:	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters



C2(a) – Top of Bottom Floor

Additional detail now in EC instructions...

- Enter the elevation measured at the top of the bottom floor (excluding the attached garage) indicated by the selected Building Diagram.
- For buildings elevated on a crawlspace, enter the lowest elevation on the top of the crawlspace floor in Item C2.a.
 - Regardless of whether the crawlspace has permanent flood openings.



C2(b) – Next Higher Floor

Additional detail now in EC instructions...

- For Building Diagrams 2A through 9 in any flood zone, including Zones B, C, X, and D, enter the elevation measured at the top of the next higher floor (excluding the attached garage)
- For buildings requiring more than two floors or levels to be surveyed, such as those with multiple floors or multi-level enclosures, enter the additional surveyed elevations and floor descriptions in the Section D Comments; clarify which floors are entered as Item C2.a and C2.b.



C2(c) – Bottom of Lowest Horizontal Structural Member

- Required in V zones
 - EC form says “See Instructions” (~~“Only V Zones”~~ was removed)
 - Why? Coastal A Zones
- For Building Diagrams 5 and 6 and in regulated areas subject to coastal flooding



A floor by any other name...

Bottom Floor Elevation

- Measured by the surveyor
- The floor with the lowest elevation
 - May be at, above, or below grade
- C2.a or E1 on the EC

Lowest Floor Elevation

- Not determined by the surveyor
- Interpreted by the community floodplain administrator in G9a
- Based on multiple factors
- Not used for rating insurance
- Determines whether structure is compliant with local floodplain ordinance:
“Is Lowest Floor above BFE (plus freeboard)?”

First Floor Height

- **Used for rating insurance**
- **At or above-grade only**
- Varies by foundation type and building diagram
- Recorded in **Section H**, or interpreted from Section C or E



C2(d) – Attached Garage, measure top of slab

N/A; not an attached garage.



Photo: M. Gilbert

Attached Garage – C2(d)



Photo: M. Paine



C2(e) – Machinery and Equipment (M&E)

- Prompt to describe in Section D Comments
- Additional notes in Instructions:
 - Requirements for M&E and elevation for floodplain management compliance are different than the NFIP insurance M&E discount eligibility considerations.
 - Refer to FEMA P-348, Protecting Building Utility Systems from Flood Damage

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. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters.
Benchmark Utilized: Vertical Datum:

Indicate elevation datum used for the elevations in items a) through h) below.
☐ NGVD 1929 ☐ NAVD 1988 ☐ Other:

Datum used for building elevations must be the same as that used for the BFE. Conversion factor used? ☐ Yes ☐ No
If Yes, describe the source of the conversion factor in the Section D Comments area.

Check the measurement used:

a) Top of bottom floor (including basement, crawlspace, or enclosure floor):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor (see Instructions):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (see Instructions):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest Adjacent Grade (LAG) next to building: <input type="checkbox"/> Natural <input type="checkbox"/> Finished	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest Adjacent Grade (HAG) next to building: <input type="checkbox"/> Natural <input type="checkbox"/> Finished	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
h) Finished LAG at lowest elevation of attached deck or stairs, including structural support:	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters

https://www.fema.gov/sites/default/files/documents/fema_discount-Explanation-Guide.pdf



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Adjacent Grades C2(f) – C2(g); Attached Decks/Stairs C2(h)

- C2(f) – Lowest Adjacent Grade
- C2(g) – Highest Adjacent Grade
- C2(f) and C2(g) have **new** checkboxes:
 - Is the adjacent grade Natural or Finished?
- C2(h) clarifies **Finished** LAG at attached deck or stairs

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)			
C1. Building elevations are based on: <input type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input type="checkbox"/> Finished Construction <small>*A new Elevation Certificate will be required when construction of the building is complete.</small>			
C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: <input type="text"/> Vertical Datum: <input type="text"/>			
Indicate elevation datum used for the elevations in items a) through h) below. <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other: <input type="text"/>			
Datum used for building elevations must be the same as that used for the BFE. Conversion factor used? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, describe the source of the conversion factor in the Section D Comments area.			
a) Top of bottom floor (including basement, crawlspace, or enclosure floor):	<input type="text"/>	Check the measurement used: <input type="checkbox"/> feet <input type="checkbox"/> meters	
b) Top of the next higher floor (see Instructions):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters	
c) Bottom of the lowest horizontal structural member (see Instructions):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters	
d) Attached garage (top of slab):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters	
e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area):	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters	
f) Lowest Adjacent Grade (LAG) next to building:	<input type="checkbox"/> Natural <input type="checkbox"/> Finished	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest Adjacent Grade (HAG) next to building:	<input type="checkbox"/> Natural <input type="checkbox"/> Finished	<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters
h) Finished LAG at lowest elevation of attached deck or stairs, including structural support:		<input type="text"/>	<input type="checkbox"/> feet <input type="checkbox"/> meters



Section C – Updated Instructions

- Supporting a request for a LOMA, CLOMA, LOMR-F, or CLOMR-F? **Complete Section C!**
- **Note:** Section C may also be completed for insurance purposes, to determine the building's First Floor Height in any flood zone (including Zones B, C, X and D).
- **Additional instructions** on procedures to follow if access to the crawlspace is limited or cannot be gained.
- **Note:** If any item does not apply to the building, enter “N/A” for not applicable.
- Use the Comments area of Section D



Section D

Surveyor, Engineer, or Architect Certification

Section D

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by state 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.

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

☐ Check here if attachments and describe in the Comments area.

Certifier's Name: License Number:

Title:

Company Name:

Address:

City: State: ZIP Code:

Signature: Date:

Telephone: Ext.: Email:

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

Comments (including source of conversion factor in C2; type of equipment and location per C2.e; and description of any attachments):

PLS ####

Place Seal Here

- Certifies the surveyed information in Section C.
- Must be signed by a Registered Professional Land Surveyor, Engineer, or Architect (state dependent)
- Email address field added
- The certification box must include the certifier's seal if Section C was completed by a surveyor or engineer
- Additional instructions now provide clarity/examples for using Comments area of Section D to provide relevant and clarifying information not specified elsewhere on the EC,



Which section(s) to complete?

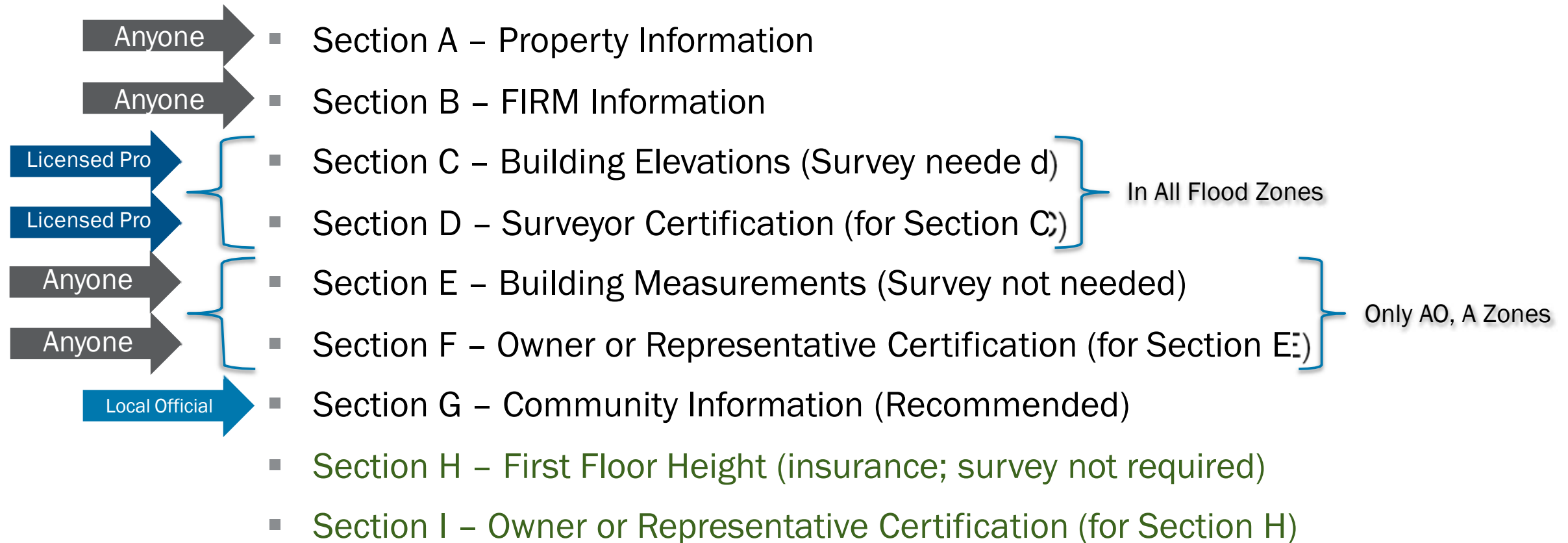
Sections of the Elevation Certificate – Who can complete?

Anyone	■ Section A – Property Information
Anyone	■ Section B – FIRM Information
Licensed Pro	■ Section C – Building Elevations (Survey needed)
Licensed Pro	■ Section D – Surveyor Certification (for Section C)
Anyone	■ Section E – Building Measurements (Survey not needed)
Anyone	■ Section F – Owner or Representative Certification (for Section E)
Local Official	■ Section G – Community Information (Recommended)
Anyone	■ Section H – First Floor Height (insurance; survey not required)
Anyone	■ Section I – Owner or Representative Certification (for Section H)



Federal Emergency Management Agency

For Compliance with Floodplain Management Regulations...



FEMA

Federal Emergency Management Agency

For Flood Insurance Reasons Only...



FEMA

Federal Emergency Management Agency

For Letter of Map Change...

Anyone

Anyone

Licensed Pro

Licensed Pro

Local Official

- Section A – Property Information
- Section B – FIRM Information
- Section C – Building Elevations (Survey needed)
- Section D – Surveyor Certification (for Section C)
- Section E – Building Measurements (Survey not needed)
- Section F – Owner or Representative Certification (for Section E)
- Section G – Community Information (Recommended)
- Section H – First Floor Height (insurance; survey not required)
- Section I – Owner or Representative Certification (for Section H)



Federal Emergency Management Agency

Summary

- Two new form sections (H and I) can be used for NFIP insurance policy rating.
- Expanded sections capture additional detail and clarity.
- Section G (for community officials) connects the form to local permit and variance decisions, and documents compliance with higher standards.
- More photographs capture additional building details and are now required regardless of the intended use of the EC form.
- More detailed instructions pages provide better clarity on how to properly complete the EC form.

Email your questions about the new form to nfipunderwritingmailbox@fema.dhs.gov.



Federal Emergency Management Agency

Which form sections can I use for...?

✓ Minimum Requirement | O Optional Use | R Recommended Use | R* Required for CRS | ✗ Do Not Use

Purpose	Flood Zone	EC Form Section								
		A	B	C	D	E	F	G	H	I
Insurance	A with BFE	✓	✓	O	O	Use H or C instead ↔		R	✓	✓
	A without BFE	✓	✓	O	O	Use H or C instead ↔		R	✓	✓
	Outside SFHA	✓	✓	O	O	Use H or C instead ↔		R	✓	✓
Letter of Map Change (LOMC)	A with BFE	✓	✓	✓	✓	✗	✗	R	✗	✗
	A without BFE	✓	✓	✓	✓	✗	✗	R	✗	✗
	Outside SFHA	-	-	-	-	-	-	-	-	-
Floodplain Management	A with BFE	✓	✓	✓	✓	✗	✗	R*	✗	✗
	A without BFE	✓	✓	O	O	✓	✓	R*	✗	✗
	Outside SFHA (if regulated)	✓	✓	O	O	✓	✓	R	✗	✗