

Challenges and Changes in the Future of Flood



Del Schwalls, P.E.* , CFM

*P.E. in FL, AL, GA & SC

June 16, 2026

2026 Annual Conference
Pipestem State Park, WV

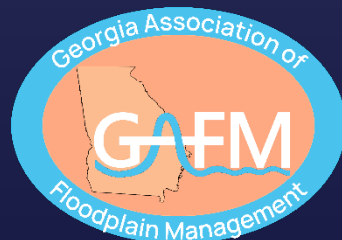


WEST VIRGINIA FLOODPLAIN MANAGEMENT ASSOCIATION 2026 ANNUAL CONFERENCE

JUNE 16, 17, 18

**PIPESTEM RESORT
STATE PARK**







The Flood of '94



The Albany
HERALD



The Albany
HERALD



04
Oct

Embracing Renewal: Finding Hope After the Storm

 Maggie

 Uncategorized

 Comments Off

When the clouds rolled away, the winds calmed, and the waters began to recede, we emerged from the storm like children, wide-eyed and full of renewed hope. In that moment, the sun began to shine, casting a warm glow on our farm and illuminating the path ahead. This scene, so vivid and transformative, serves as a powerful metaphor for





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National Flood Insurance Program
**Elevation
Certificate**
and Instructions
2023 EDITION



FEMA



ASSOCIATION OF
Montana
FLOODPLAIN
MANAGERS









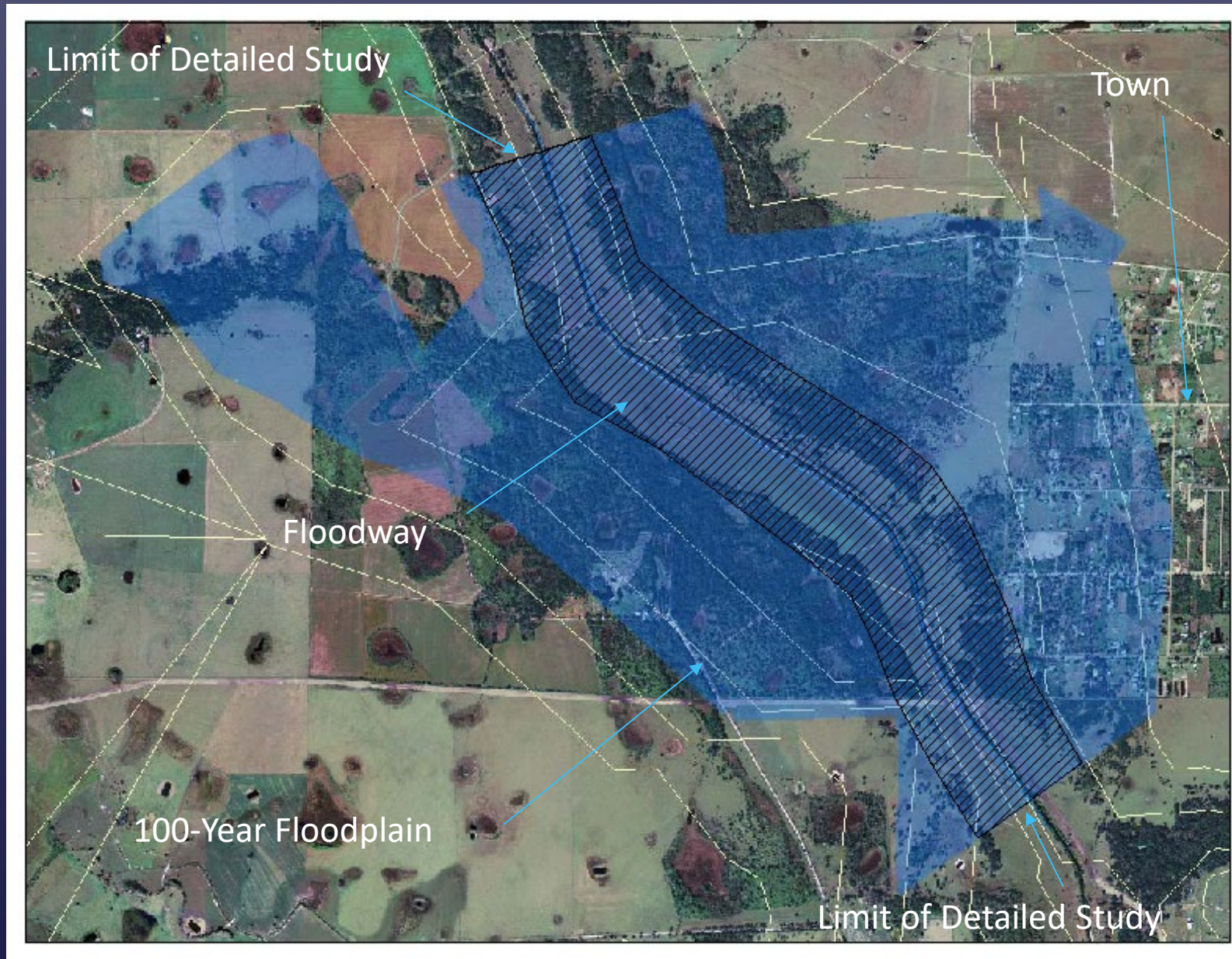
CDM

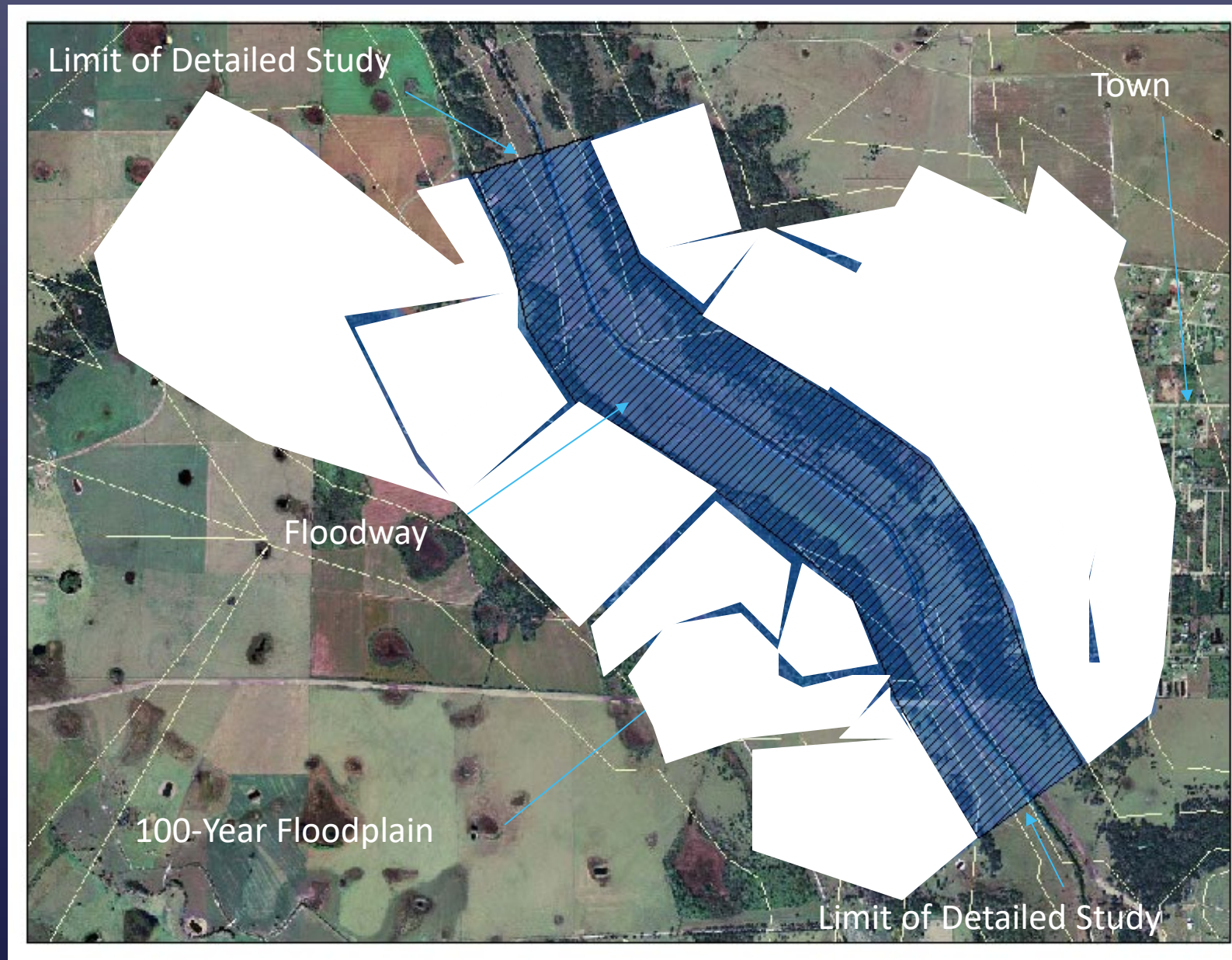
**Fill, Floodways, and BFEs:
The Unsteady State of
Floodplain Management**

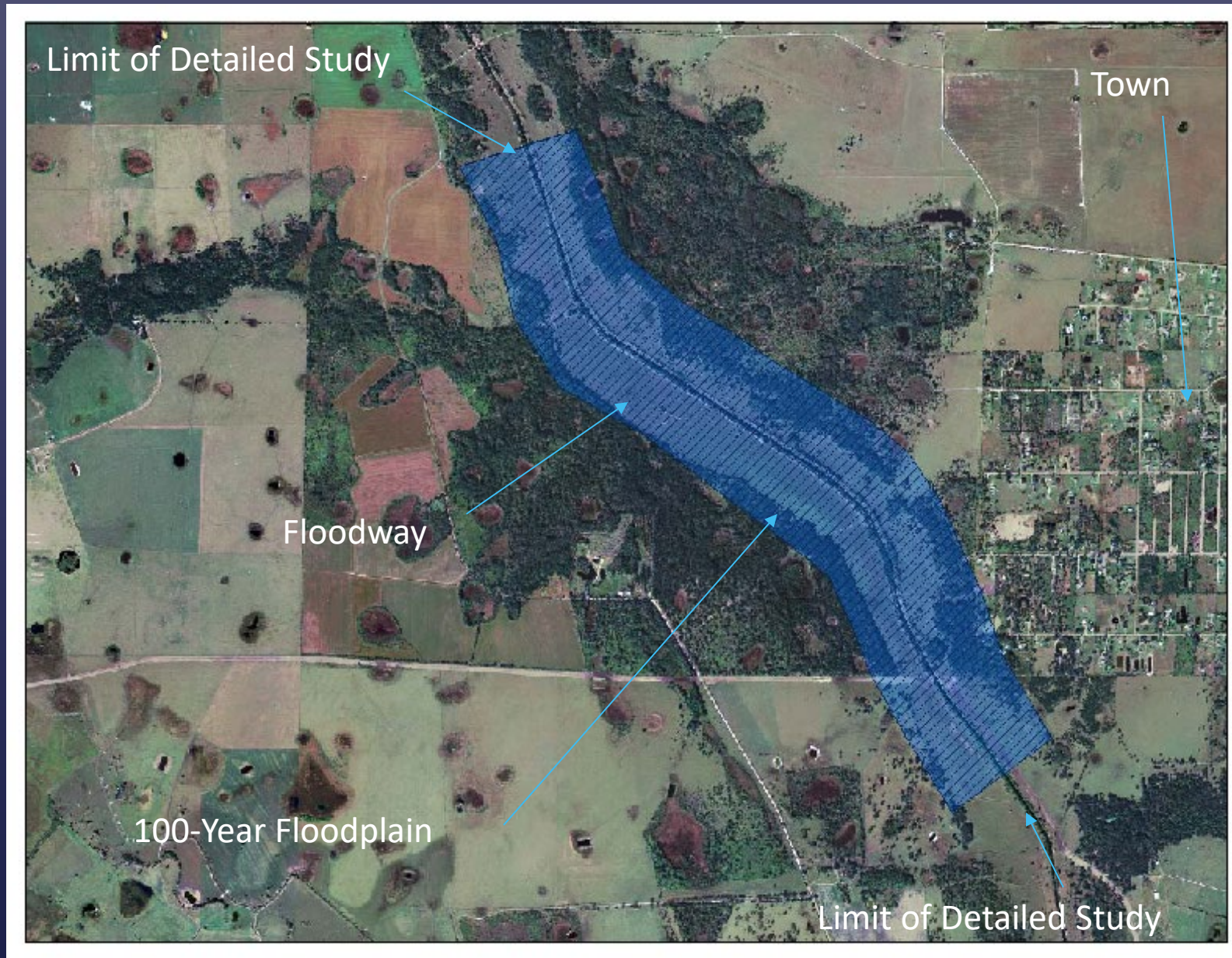
Del Schwalls, P.E., CFM

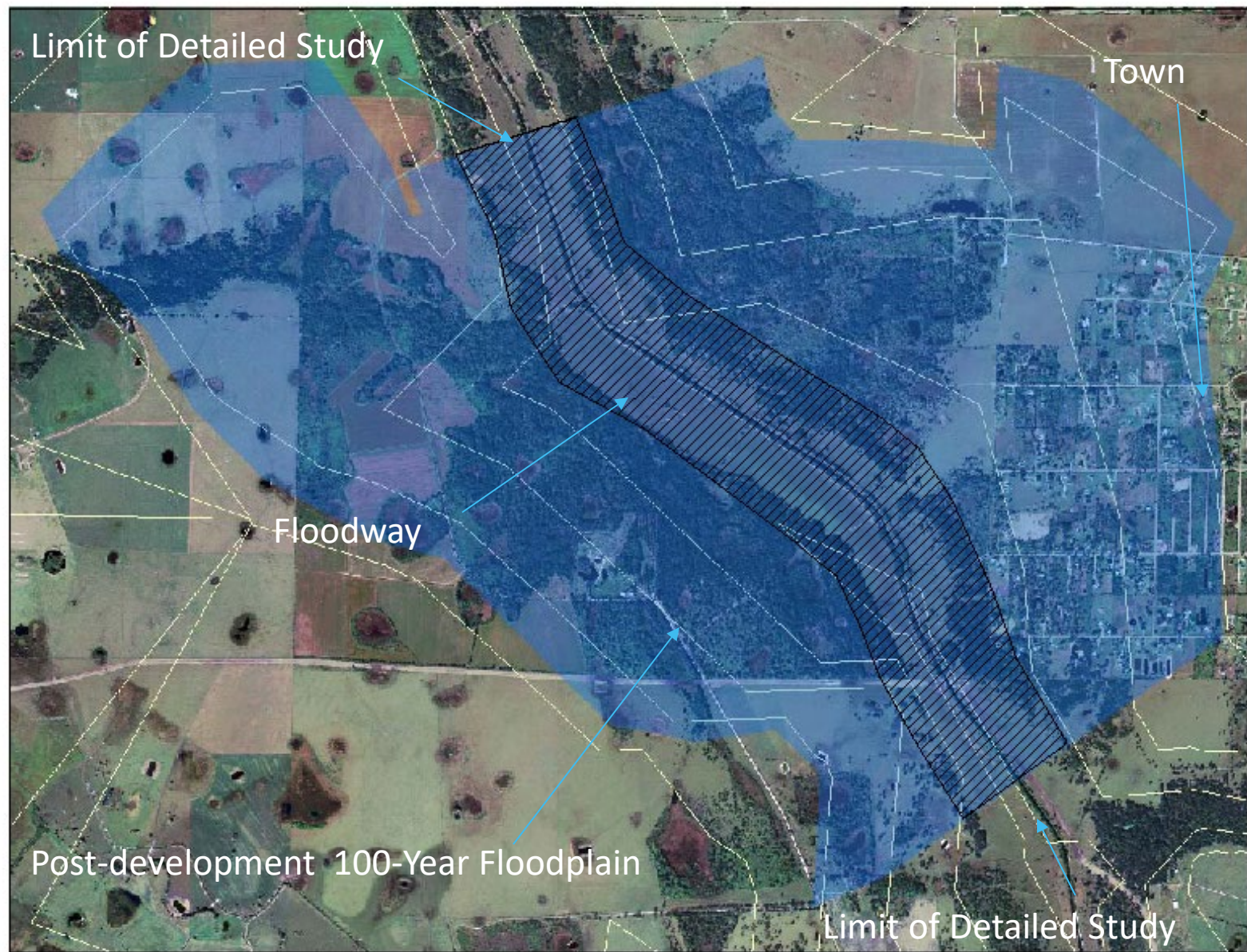
ASFPM 30th Annual Conference

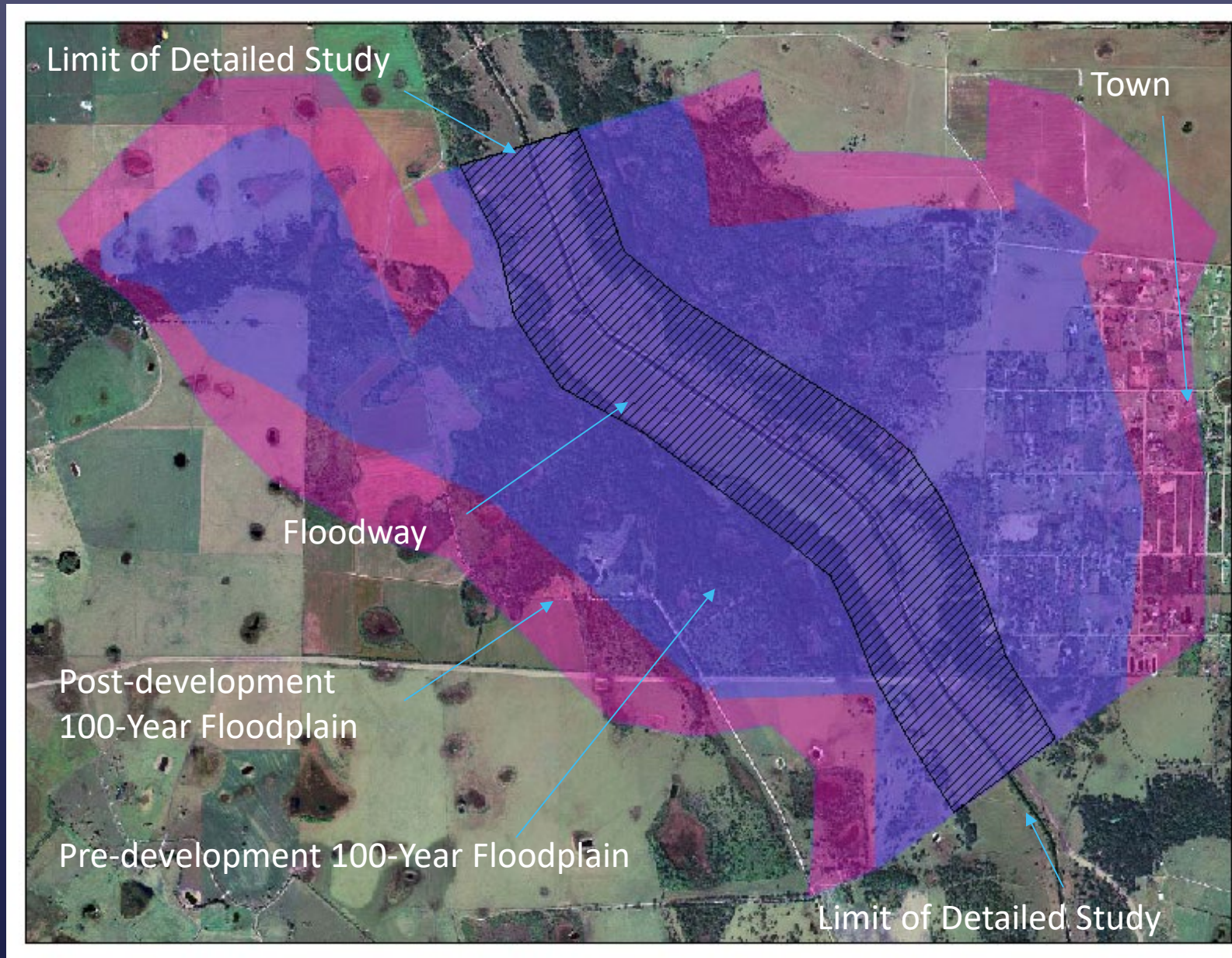
June 14, 2006













National Flood Insurance Program

Elevation Certificate

and Instructions

2023 EDITION

Requirements for Flood Openings in Foundation Walls and Walls of Enclosures

Below Elevated Buildings in Special Flood Hazard Areas
In Accordance with the National Flood Insurance Program

NFIP Technical Bulletin 1 / March 2020



FEMA

Whitefish Lake

ZONE AE
(EL 3004)





NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE MANUAL

October 2022

Risk Rating 2.0: Equity in Action Edition

National Flood Insurance Program

Elevation Certificate

and Instructions

2023 EDITION



Flood Damage-Resistant Materials Requirements

For Buildings Located in Special Flood Hazard Areas in
Accordance with the National Flood Insurance Program

NFIP Technical Bulletin 2 / January 2025



§ 60.3 Flood plain management criteria for flood-prone areas.

The Federal Insurance Administrator will provide the data upon which flood plain management regulations shall be based. If the Federal Insurance Administrator has not provided sufficient data to

FAIRMONT, WV
COLYN JONES VIA STORYFUL
SUNDAY

June 2025



WEST VIRGINIA FLASH FLOODING
EYEWITNESS CAPTURES APARTMENT COLLAPSE ON CAMERA

SEVERE WEATHER HQ



4:18P MT TORNADO ALERT OTHER ALERT

A



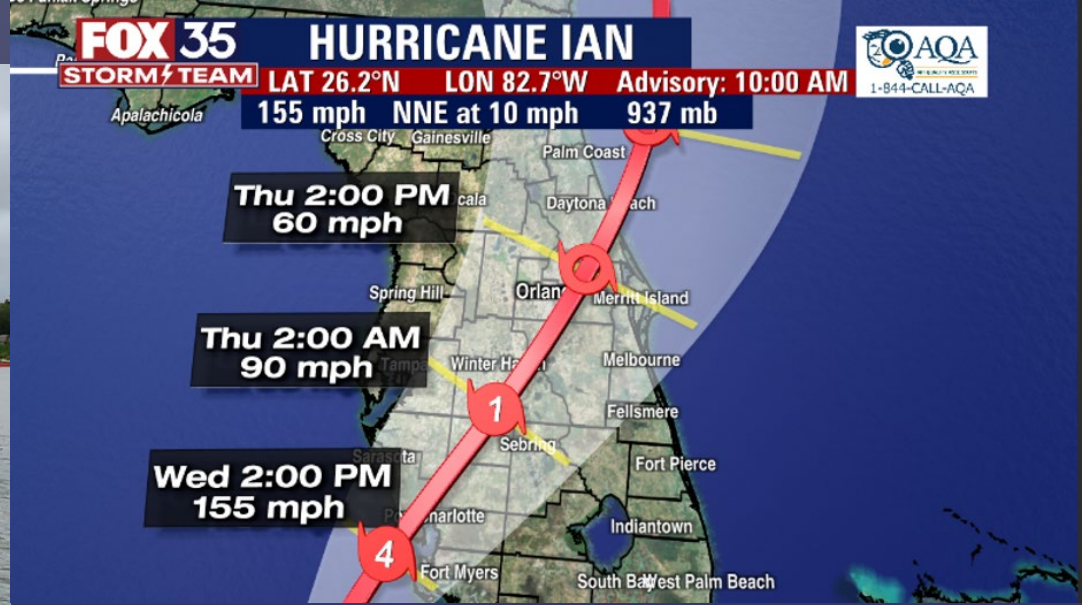
Emergency officials urge caution as heavy rain results in flooding across West Virginia



by BOB AARON | Wed, June 10, 2026



> **TORRENTIAL RAINS IMPACT**
>> KANAWHA COUNTY









FEMA is making an example of this Florida boomtown. Locals call it 'revenge politics.'

FEMA raising flood insurance rates in Southwest Florida, blames bad Hurricane Ian rebuild

By Alex Harris

MARCH 29, 2024 5:34 PM

Miami Herald

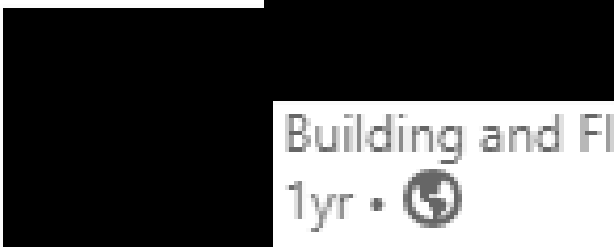


An aerial view of the damaged homes from Hurricane Ian seen in the vicinity of Fort Myers in September 2022. AL DIAZ adiaz@miamiherald.com

The New York Times

The Washington Post

Chicago Tribune

 AICP, CFM • 1st

Building and Floodplain Professional

1yr • 

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This action should serve as a warning to all municipalities that have been ignoring, skirting, or falsifying the Substantial Improvement/Substantial Damage regulations. When necessary rebuilding is put off under the guise of political expediency, everyone suffers. Everyone should follow this case closely and show it to your elected and appointed officials every time they try to get you to wave or relax these vital regulations. [#flooding](#) [#CRS](#)
[#floodinsurance](#) [#NFIP](#) [#floodmitigation](#)

Tough....but 100% necessary and part of the commitment a community makes to participate in the NFIP. FEMA is right to hold participating communities accountable.



**ASSOCIATION OF STATE
FLOODPLAIN MANAGERS**

Larry R. Johnston Local Floodplain Manager of the Year

- 2025 – Billie Jacoby, CFM, Lee County, FL



Heavy rainfall floods West Virginia's U.S. 33 corridor

WCHS-TV



Mason County, West Virginia, Wednesday, May 27, 2026 – Image by Kara Fetty

Death toll rises from devastating flash flooding in West Virginia as rain threat continues



WHEELING, WV FIRE DEPARTMENT/AFP

June 14, 2025





What Are We Doing and Why?

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Board of Directors, Florida Floodplain Managers Association

Associate, ASFPM Foundation

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ELEVATION CERTIFICATE GUIDE

Providing Consistency in Building Diagram Selection, Data Entry and Documentation



WVFMA Annual Conference
Tuesday, June 16, 2026

Del Schwalls, PE, CFM
President, Schwalls Consulting

Agency Information Collection Activities: Proposed Collection, Comment Request; Elevation Certificate/Floodproofing Certificate

DOCUMENT HEADINGS

Department of Homeland Security
Federal Emergency Management Agency
[Docket ID: FEMA-2026-0166; Comment Due Date: 7/31/2026]

AGENCY:

Federal Emergency Management Agency

ACTION:

60-Day notice of extension and request for comments.

SUMMARY:

The Federal Emergency Management Agency (FEMA), as part of its continuing effort to reduce paperwork and respondent burden, invites the general public to take this opportunity to comment on an extension of a currently approved information collection. In accordance with the requirements of the Paperwork Reduction Act of 1995, this notice seeks comments concerning the National Flood Insurance Program's (NFIP) Elevation Certificate and Floodproofing Certificate.

DATES:

Comments must be submitted on or before July 31, 2026.

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Elevation Certificate Guide

Providing Consistency in Building Diagram Selection, Data Entry and Documentation

Welcome to the Elevation Certificate Guide, created in partnership with the Georgia Association of Floodplain Management and the ASFPM Foundation. This tool was developed by Schwalls Consulting LLC through a grant from the ASFPM Foundation.

When completing an Elevation Certificate, one of the most challenging tasks is selecting the correct Building Diagram. This guide is intended to simplify and aid that process, while also providing guidance on supporting documentation.



→ [Find Your Diagram](#)

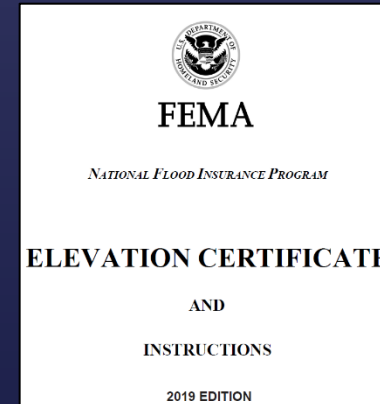
HISTORY



ASFPM 2020 →
Virtual



ASFPM Foundation
Grant



• EC Update (2019 → 2023)

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→ Find Your Diagram



Home



Find Your Diagram



Diagram Specific Information



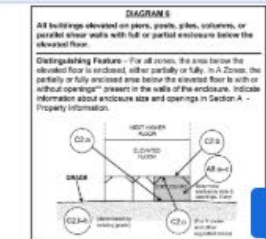
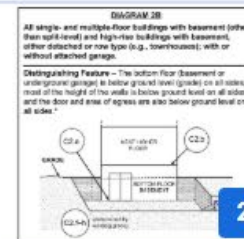
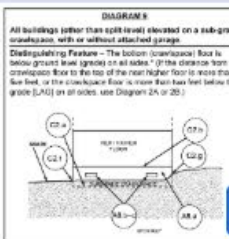
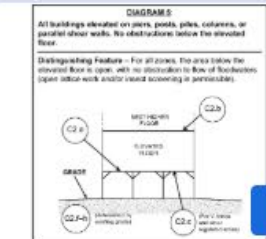
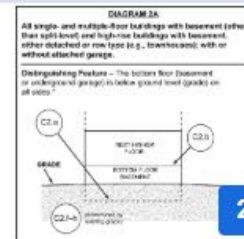
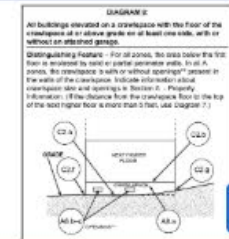
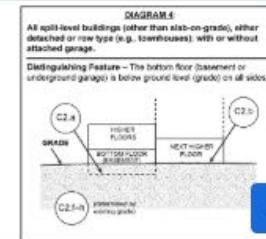
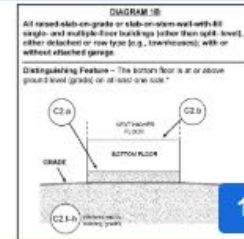
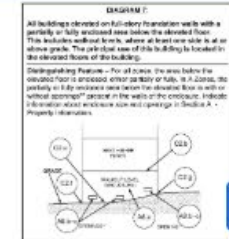
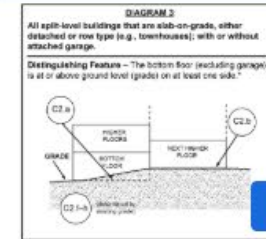
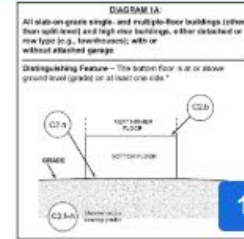
Summary and Conclusion

Elevation Certificate Guide

Is the building on a slab? i.e. Slab-on-grade or Raised slab/stem wall

Yes

No





Is the building on a slab? i.e. Slab-on-grade or Raised slab/stem wall

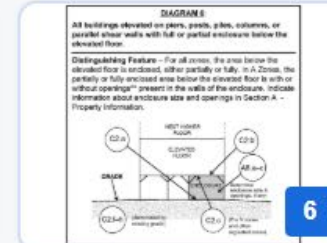
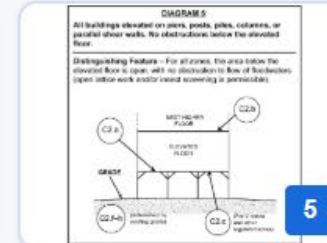
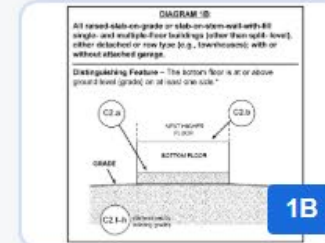
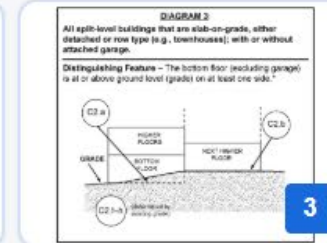
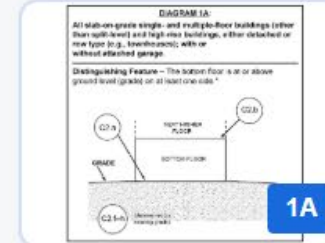
Yes

No

Is the building split-level construction?

Yes

No



Is the building on a slab? i.e. Slab-on-grade or Raised slab/stem wall

No

Is the building split-level construction?

No

Is the use of the bottom level exclusively parking, limited storage, or building access, without any other uses or habitable space?

No





Is the building on a slab? i.e. Slab-on-grade or Raised slab/stem wall

Yes

No



Is the building split-level construction?

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No



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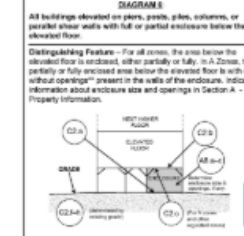
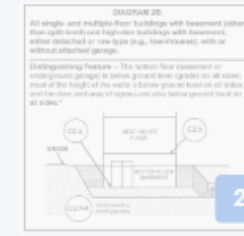
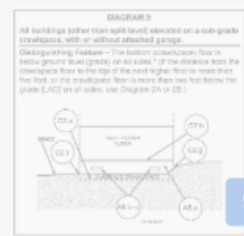
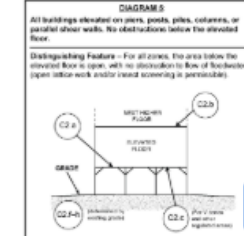
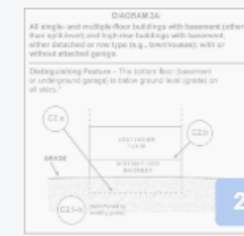
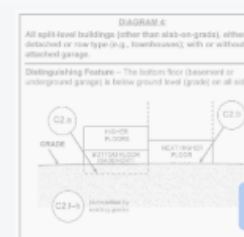
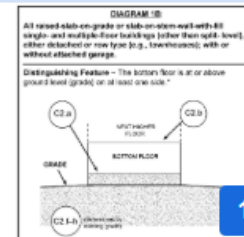
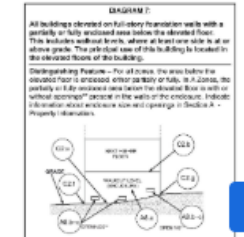
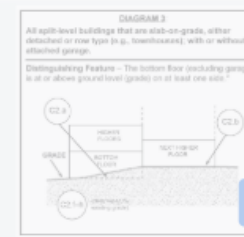
Yes

No

How many stories does the building have?

1 story

2 or more stories





Is the building split-level construction?

Yes

No



Is the use of the bottom level exclusively parking, limited storage, or building access, without any other uses or habitable space?

Yes

No



How many stories does the building have?

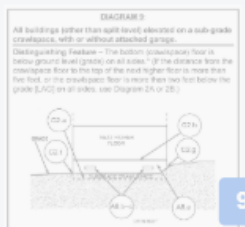
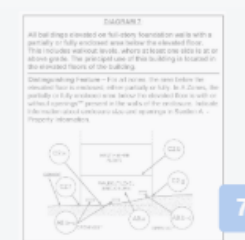
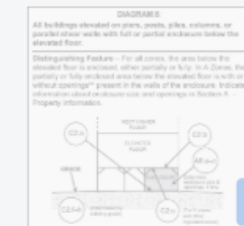
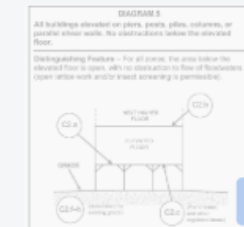
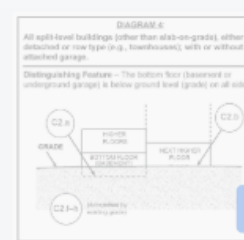
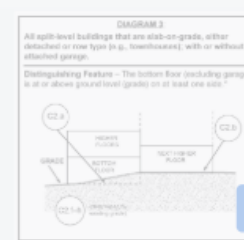
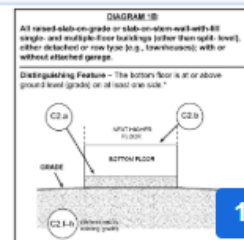
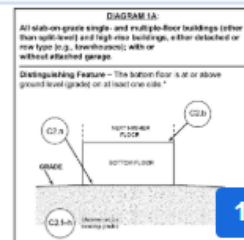
1 story

2 or more stories

Is the elevation of the bottom floor (C2.a) more than 1.0 foot above the lowest adjacent grade (C2.f)?

Yes

No





Is the building split-level construction?

Yes

No



Is the use of the bottom level exclusively parking, limited storage, or building access, without any other uses or habitable space?

Yes

No



How many stories does the building have?

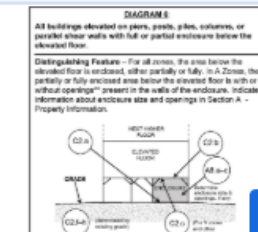
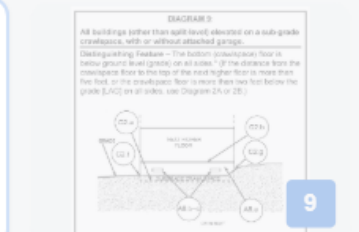
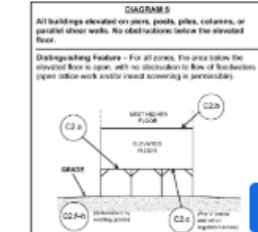
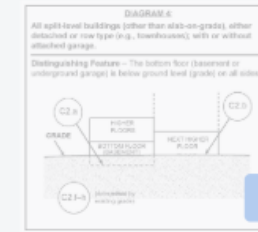
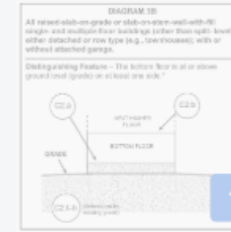
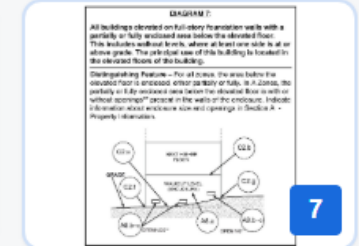
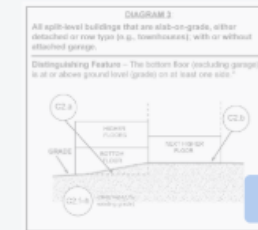
1 story

2 or more stories

Are the walls of the bottom level foundation walls, i.e. supporting the weight of the next higher level, or façade walls connecting the posts?

Foundation walls

Façade walls





Is the use of the bottom level exclusively parking, limited storage, or building access, without any other uses or habitable space?



How many stories does the building have?



Are the walls of the bottom level foundation walls, i.e. supporting the weight of the next higher level, or façade walls connecting the posts?

Your result:

Diagram 7

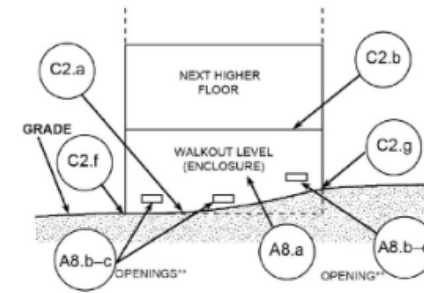
[See the diagram panel for details →](#)

7 – Crawlspace (above grade / foundation walls)

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.



[Proceed To More Detail →](#)

ADDITIONAL QUESTIONS

Is there living space on the bottom level?

Yes

No

7 – Crawlspace (above grade / foundation walls)

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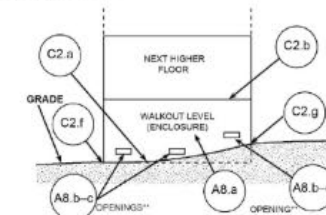


PHOTO GALLERY

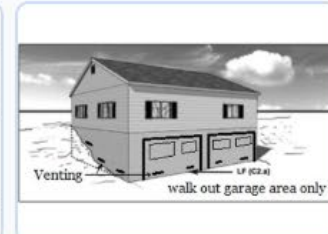
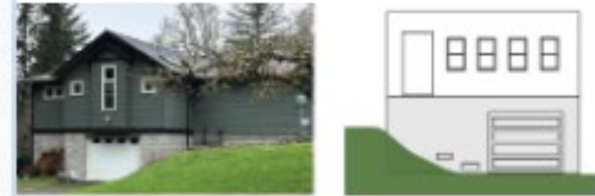


PHOTO GALLERY



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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.

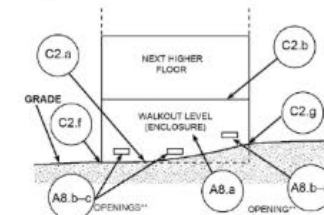
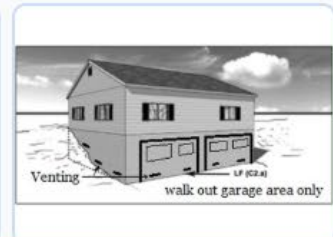


PHOTO GALLERY



ADDITIONAL QUESTIONS



Is there living space on the bottom level?

Yes

No



Error

Your answer contradicts an answer on the Diagram Selection page. Please go back and modify your previous answer.

7 – Crawlspace (above grade / foundation walls)

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.

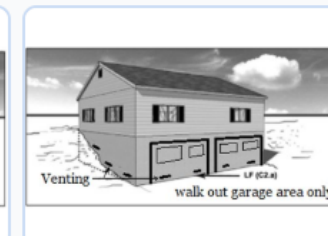
Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings** present in the walls of the enclosure. Indicate information about enclosure size and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



Error

Your answer contradicts an answer on the Diagram Selection page. Please go back and modify your previous answer.

← Back to Find Your Diagram



Home



Find Your Diagram



Diagram Specific Information



Summary and Conclusion

Is the building split-level construction?

Yes

No



Is the use of the bottom level exclusively parking, limited storage, or building access, without any other uses or habitable space?

Yes

No



How many stories does the building have?

1 story

2 or more stories



Are the walls of the bottom level foundation walls, i.e. supporting the weight of the next higher level, or façade walls connecting the posts?

Foundation walls

Façade walls

Your result:

Diagram 7

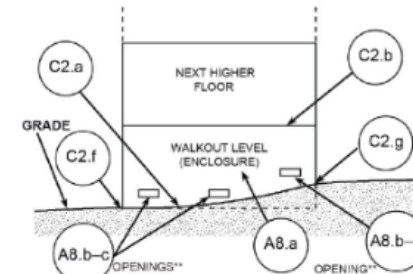
See the diagram panel for details →

7 – Crawlspace (above grade / foundation walls)

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.



Proceed To More Detail →

Elevation Certificate Guide



ADDITIONAL QUESTIONS



Is there living space on the bottom level?

Yes

No

Are there flood openings in the exterior walls of the enclosure (i.e., bottom level)?

Yes

No

7 – Crawlspace (above grade / foundation walls)

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.

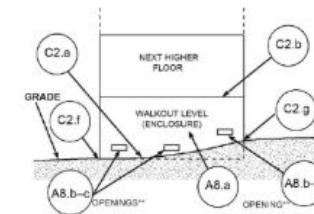
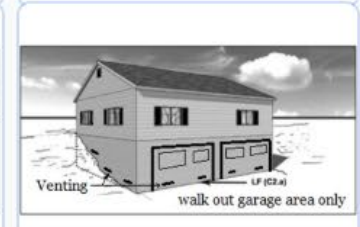


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Find Your Diagram



Diagram Specific Information



Summary and Conclusion

Is there living space on the bottom level?

Yes

No

Are there flood openings in the exterior walls of the enclosure (i.e., bottom level)?

Yes

No

Diagram Specific Information

Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>

7 – Crawl space (above grade / foundation walls)

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.

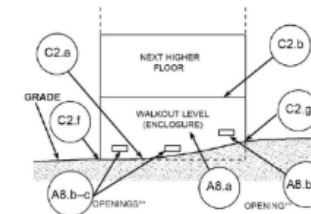


PHOTO GALLERY



Diagram Specific Information

Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

Elevation Certificate Guide



ADDITIONAL QUESTIONS



Is there living space on the bottom level?

Yes

No



Are there flood openings in the exterior walls of the enclosure (i.e., bottom level)?

Yes

No

Are any of the flood openings certified Engineered Openings?

Yes

No

7 – CrawlSpace (above grade / foundation walls)

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.

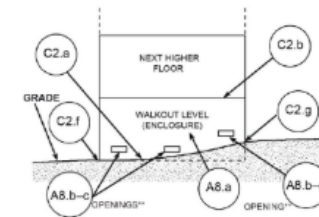
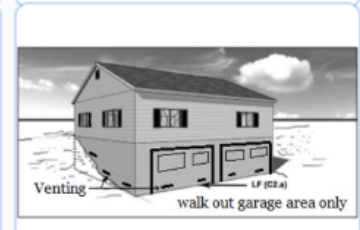


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Find Your Diagram



Diagram Specific Information



Summary and Conclusion

Elevation Certificate Guide



Are there flood openings in the exterior walls of the enclosure (i.e., bottom level)?

Yes

No

Are any of the flood openings certified Engineered Openings?

Yes

No

Diagram Specific Information

Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>

7 – CrawlSpace (above grade / foundation walls)

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.

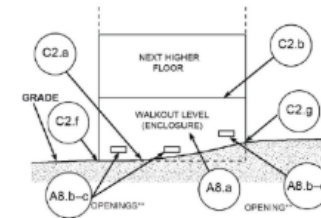
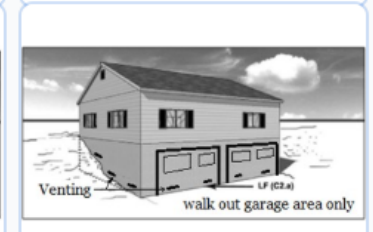


PHOTO GALLERY



Yes

No



Are any of the flood openings certified Engineered Openings?

Yes

No

Diagram Specific Information

Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)
- Section D Attachments Check Box

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>
- A8.e: <EO manufacturer>, <EO model>
- Attachments: EO Certification [or ICC-EC Certification]

7 – Crawlpace (above grade / foundation walls)

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.

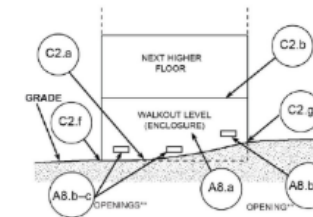
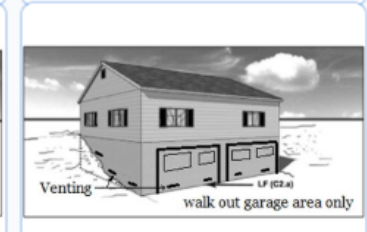


PHOTO GALLERY



Home



Find Your Diagram



Diagram Specific Information



Summary and Conclusion

Yes

No



Are any of the flood openings certified Engineered Openings?

Yes

No

Diagram Specific Information

Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)
- Section D Attachments Check Box

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>
- A8.e: <EO manufacturer>, <EO model>
- Attachments: EO Certification [or ICC-EC Certification]

Would you like to select an image from the photo gallery, that is most similar to your building, to include in the Summary and Conclusion?

Yes

No

7 – Crawlpace (above grade / foundation walls)

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.

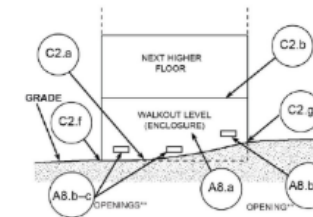
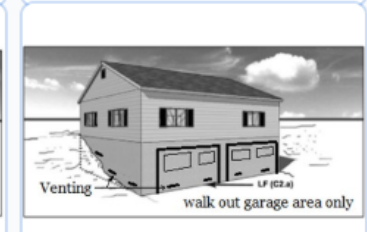


PHOTO GALLERY





Are any of the flood openings certified Engineered Openings?

Yes

No

Diagram Specific Information

Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)
- Section D Attachments Check Box

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>
- A8.e: <EO manufacturer>, <EO model>
- Attachments: EO Certification [or ICC-EC Certification]



Would you like to select an image from the photo gallery, that is most similar to your building, to include in the Summary and Conclusion?

Yes

No

Select photos from the gallery on the right. **2 selected**

7 – Crawlspace (above grade / foundation walls)

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.

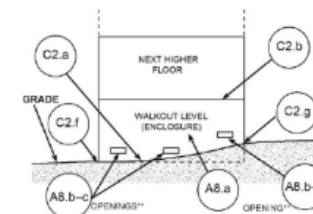
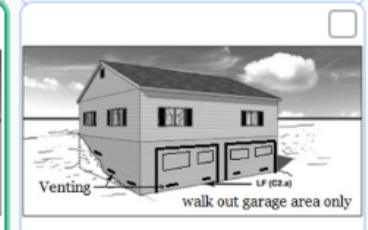


PHOTO GALLERY (SELECT PHOTOS)



Elevation Certificate Guide



Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)
- Section D Attachments Check Box

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>
- A8.e: <EO manufacturer>, <EO model>
- Attachments: EO Certification [or ICC-EC Certification]



Would you like to select an image from the photo gallery, that is most similar to your building, to include in the Summary and Conclusion?

Yes

No

Select photos from the gallery on the right. **2 selected**



Would you like to upload an image of your building to include in the Summary and Conclusion?

Yes

No

Upload Image

7 – Crawlspace (above grade / foundation walls)

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.

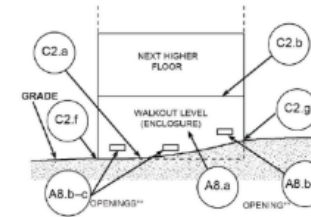
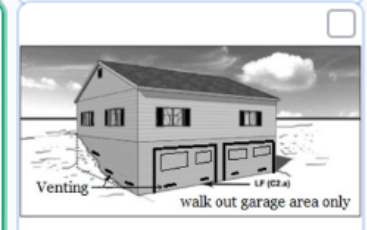
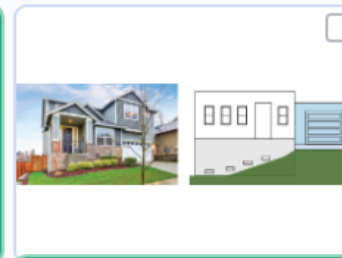


PHOTO GALLERY (SELECT PHOTOS)



Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)
- Section D Attachments Check Box

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>
- A8.e: <EO manufacturer>, <EO model>
- Attachments: EO Certification [or ICC-EC Certification]



Would you like to select an image from the photo gallery of your building, to include in the Summary and Conclusion?

Yes

No

Select photos from the gallery on the right.



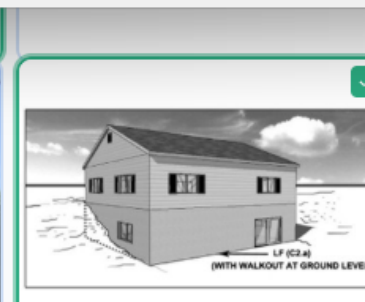
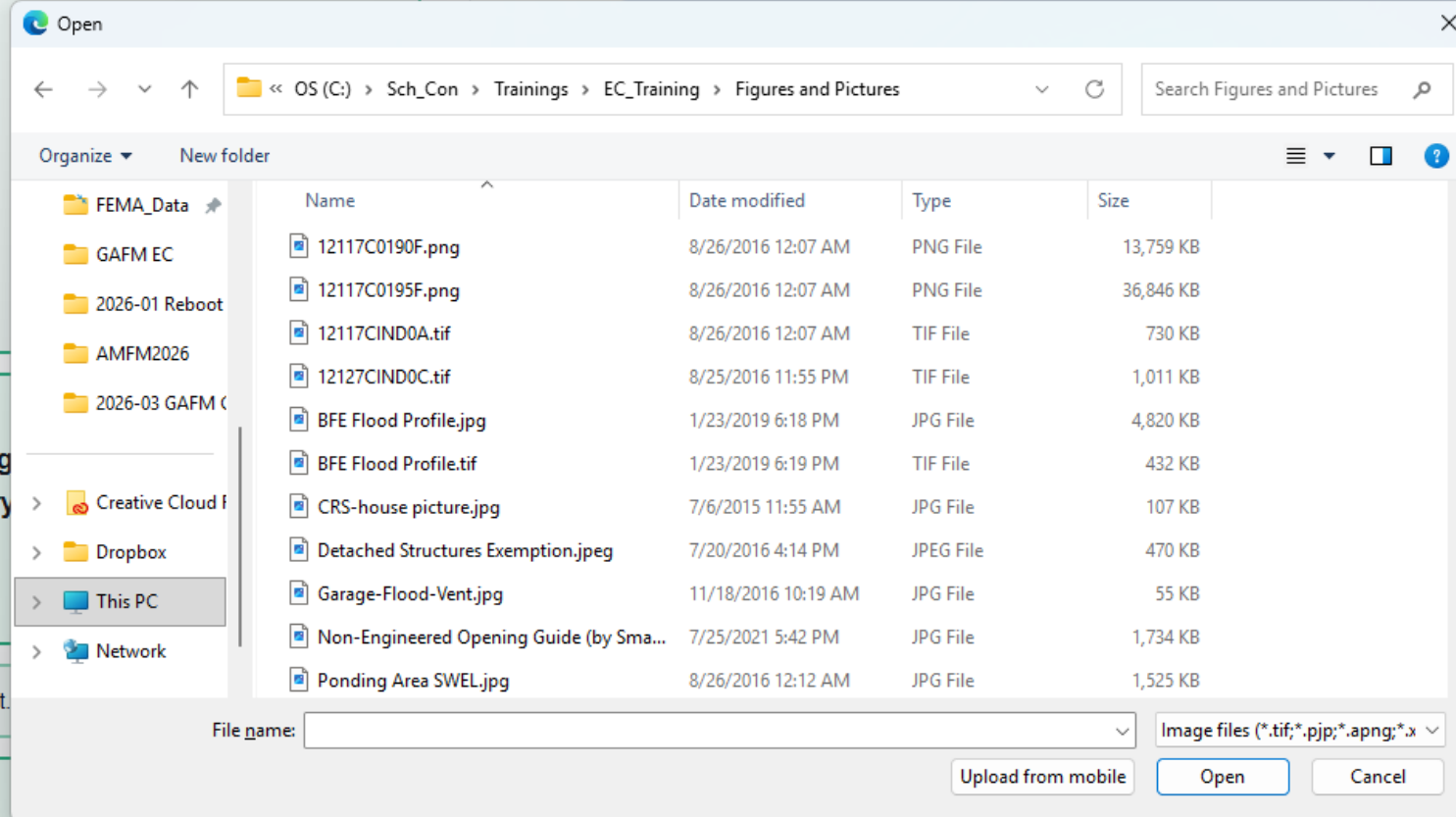
Would you like to upload an image of your building to include in the Summary and Conclusion?

Yes

No

Upload Image

7 – Crawlpace (above grade / foundation walls)



Elevation Certificate Guide



Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)
- Section D Attachments Check Box

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>
- A8.e: <EO manufacturer>, <EO model>
- Attachments: EO Certification [or ICC-EC Certification]



Would you like to select an image from the photo gallery, that is most similar to your building, to include in the Summary and Conclusion?

Yes

No

Select photos from the gallery on the right. 2 selected



Would you like to upload an image of your building to include in the Summary and Conclusion?

Yes

No

Proceed To Summary and Conclusion →

7 – Crawlspace (above grade / foundation walls)

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.

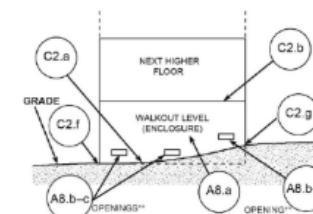
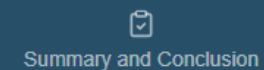
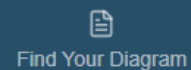
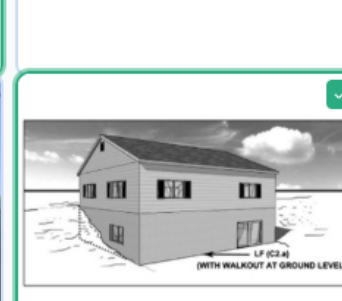


PHOTO GALLERY (SELECT PHOTOS)



Summary & Conclusion

ELEVATION CERTIFICATE GUIDE

Providing Consistency in Building Diagram Selection, Data Entry and Documentation

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.

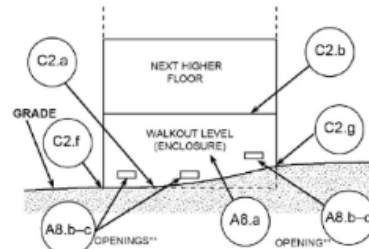


DIAGRAM 7

Based on the following information you provided in the Elevation Certificate Guide, your building is a Diagram 7.

Your building is constructed on a slab and has more than 1 story. The bottom level is an enclosure and is exclusively used for Parking, Limited Storage, and Access. There is no living space on the bottom level.

The walls of the bottom level support the weight of the next higher floor. There are Engineered Flood Openings in the walls of the enclosure.

Supporting Images



Home



Find Your Diagram



Diagram Specific Information



Summary and Conclusion

information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)
- Section D Attachments Check Box

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>
- A8.e: <EO manufacturer>, <EO model>
- Attachments: EO Certification [or ICC-EC Certification]

Supporting Images



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ELEVATION CERTIFICATE GUIDE

Providing Consistency in Building Diagram Selection, Data Entry and Documentation

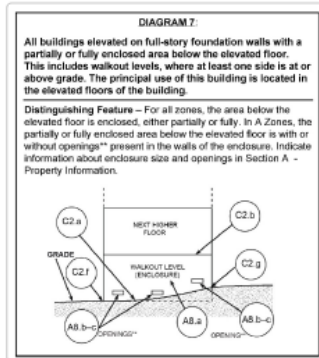


DIAGRAM 7

Based on the following information you provided in the Elevation Certificate Guide, your building is a Diagram 7.

Your building is constructed on a slab and has more than 1 story. The bottom level is an enclosure and is exclusively used for Parking, Limited Storage, and Access. There is no living space on the bottom level.

The walls of the bottom level support the weight of the next higher floor. There are Engineered Flood Openings in the walls of the enclosure.

Diagram Specific Information

Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)
- Section D Attachments Check Box

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>
- A8.e: <EO manufacturer>, <EO model>
- Attachments: EO Certification [or ICC-EC Certification]

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ELEVATION CERTIFICATE GUIDE

Providing Consistency in Building Diagram Selection, Data Entry and Documentation

Supporting Images



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Diagram Specific Information

Based on your answers, the following information must be entered into the EC at a minimum, in addition to any other required information, comments and documentation.

- A8.a – A8.f – information for enclosure (i.e., bottom level)

Section D Comments

- A5: <lat/lon source>
- C2.e: <machinery type>, <machinery location>

Supporting Images



← Back

Print Summary

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Is the building split-level construction?

Is the use of the bottom level exclusively parking, limited storage, or building access, without any other uses or habitable space?

How many stories does the building have?

Are the walls of the bottom level foundation walls, i.e. supporting the weight of the next higher level, or façade walls connecting the posts?

Your result:

Diagram 7

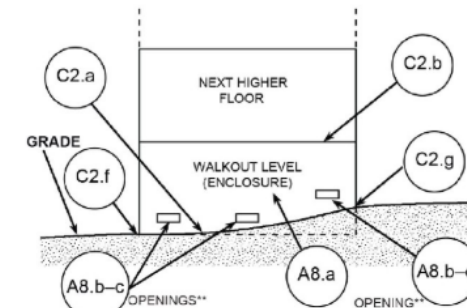
[See the diagram panel for details →](#)

7 – Crawl space (above grade / foundation walls)

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.

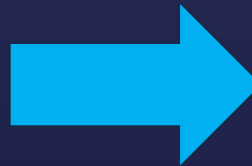
Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings** present in the walls of the enclosure. Indicate information about enclosure size and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



[Proceed To More Detail →](#)

Next Steps

- Feedback from GAFM & ASFPM Foundation
- ASFPM 2026 Beta Launch
- Public Launch – Fall 2026



Elevation Certificate Guide

Providing Consistency in Building Diagram Selection, Data Entry and Documentation

Welcome to the Elevation Certificate Guide, created in partnership with the Georgia Association of Floodplain Management and the ASFPM Foundation. This tool was developed by Schwalls Consulting LLC through a grant from the ASFPM Foundation.

When completing an Elevation Certificate, one of the most challenging tasks is selecting the correct Building Diagram. This guide is intended to simplify and aid that process, while also providing guidance on supporting documentation.



→ [Find Your Diagram](#)