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State Emergency Management Agency (SEMA) Floodplain Management Section

Issue 3 - FY 2023 - Floodplain Management E-Bulletin

It's the third quarter of Fiscal Year 2023, and time for the third FY23 *Missouri Floodplain Management E-Bulletin!*

Various NFIP Forms

The Missouri Floodplain Management Section staff talks a lot about the four (4) common NFIP Forms used to manage floodplain development. The following pages in this issue of the Missouri Floodplain Management E-Bulletin are devoted to three of the four forms: The Floodplain Development Permit, the Elevation Certificate, and the Engineering "No-Rise" Certificate. We will take a look at some sample completed forms for a fictitious development here in Missouri. Our hope is that these completed forms will help Missouri's floodplain administrators as they evaluate situations and forms for residents in their communities when development is in the Special Flood Hazard Areas (SFHAs).



Training and Education Opportunities

Substantial Damage Estimator (SDE)

3.0 Training Locations:

July 30, 2024— Nodaway Co., Nodaway Co. Administration Center, 403 North Market St., Maryville, Mo

August 14, 2024 — Stoddard Co., Stoddard Co. Ambulance District, 501 W. Bus. Hwy 60, Dexter, Mo

October 9, 2024 — Cedar Co., Stockton City Community Room, 209 North St., Stockton, Mo

mfsma.org/meetinginfo.php

The **2024 Tools of Floodplain Management** workshops kicked-off on March 21st, and 22nd. Various Floodplain Management staff presented different units, providing attendees with an opportunity to learn about the National Flood Insurance Program.

For those who missed it, May 21st and 22nd is the next Tools workshop, followed by another workshop on July 18th and 19th, with the final workshop on September 24th and 25th.

Reimbursement for selected travel expenses is available to NFIP-participating communities. Restrictions may apply.

Access course registration at:

mfsma.org/meetinginfo.php

2024 Virtual Lunch & Learn Series

Basic NFIP 101: May 16th, September 19th

A Guide to Writing Floodplain Development Permits: June 20th, October 17th

Preparing for Post-Disaster Responsibilities: July 25th

Floodplain Question & Answers:

April 18th, August 15th

NFIP Training Workshop (a good prep before taking the CFM Exam)

#1 November 5th, #2 November 12th, #3 November 19th, #4 November 26th

sema.dps.mo.gov/programs/floodplain/

Floodplain Development Permit

The local floodplain administrator must approve or deny a Floodplain Development Permit for any development in the FEMA-mapped 1% annual chance (100-year) floodplain. Development is defined by the NFIP as: "Any man-made change to improved or unimproved real estate, including—but not limited to—buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations or storage of equipment or materials."

This permit is for a two story slab-on-grade residential structure. The permit documents the Base Flood Elevation (BFE) at 602.3' (No. 8), with the proposed lowest floor at 604.3' (No.9). The community's lowest floor requirement is 603.3' (No. 10), which is 1 foot above BFE. Before approving the permit/application, the Floodplain Administrator must have an Engineering "No-Rise" Certificate, because No. 6 documents that the development is in a Regulatory Floodway. See Page 3 for the "No-Rise".

FLOODPLAIN DEVELOPMENT PERMIT/APPLICATION

Application No.: JC 2024-012 Date: March 24, 2024

TO THE ADMINISTRATOR: The undersigned hereby makes application for a permit to develop in the Special Flood Hazard Area (SFHA) or "floodplain." The work to be performed, including flood protection works, is as described below and in attachments hereto. The undersigned agrees that all such work shall be in accordance with the requirements of the Floodplain Management Ordinance and with all other applicable county/city ordinances, federal programs, and the laws and regulations of the State of Missouri.

<u>L. P. Morgan</u>	<u>03/24/2024</u>	<u>Custom Homes of Mid-Mo</u>
Owner or Agent	Date	Builder
<u>100 Chestnut Lane, Columbia, Missouri, 65212</u>		<u>125 Home Builder's Ave, Ashland, Missouri 65010</u>
Address		Address
<u>(573) 456-7890</u>		<u>(573) 654-9870</u>
Telephone Number		Telephone Number

SITE DATA

1. Location: SE 1/4; NE 1/4; Section 15; Township 44N; Range 12W
Street Address: 208 Eagle Drive, Jefferson City, Missouri 65102
2. Type of Development: Filling Grading Excavation Minimum Improvement
Routine Maintenance Substantial Improvement New Construction Other
3. Description of Development: Two story slab-on-grade brick/frame home with attached garage, utility installation, filling, grading and excavating.
4. Premises: Structure Size 60 ft. By 90 ft. Area of Site Irreg. shaped lot 1.88 Acres Sq. Ft.
Principal Use: Single Family Residence Accessory Uses (storage, parking, etc.): N/A
5. Value of Improvement (fair market): \$ 650,000 Pre-Improvement/Assessed Value of Structure: \$ N/A
6. Is the Property Located in a Designated FLOODWAY? Yes No
IF ANSWERED YES, CERTIFICATION MUST BE PROVIDED PRIOR TO THE ISSUANCE OF A PERMIT TO DEVELOP, THAT THE PROPOSED DEVELOPMENT WILL RESULT IN NO INCREASE IN THE BASE (1%) FLOOD ELEVATIONS.
7. Is the Property Located in a Designated Floodplain FRINGE or a Floodplain (SFHA) without a Designated FLOODWAY? Yes No
8. Elevation of the 1% Base Flood (ID source) 602.3 ft. (community's own FEMA issued FIS Stream Profile) NGVD/NAVD
9. Elevation of the Proposed Development Site 604.3 ft. NGVD/NAVD
10. Community Ordinance Elevation/Floodproofing Requirement 603.3 ft. NGVD/NAVD
11. NFIP Flood Insurance Rate Map Panel(s) Number(s) 29051C0128E, dated November 2, 2012
12. Other Permits Required?

Corps of Engineer 404 Permit:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Provided <input type="checkbox"/>
State Department of Natural Resources 401 Permit:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Provided <input type="checkbox"/>
Environmental Protection Agency NPDES Permit:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Provided <input type="checkbox"/>

All Provisions of Ordinance Number 2020-088, the "Floodplain Management Ordinance", shall be in Compliance.

PERMIT APPROVAL/DENIAL

Plans and Specifications Approved/Denied this 28th Day of March, 2024

<u>William Rose</u>	<u>Karen L. McHugh</u>
Signature of Property Owner or Agent	Authorizing Official
<u>William Rose</u>	<u>Karen L. McHugh, CFM</u>
Print Name and Title	Print Name and Title

THIS PERMIT IS ISSUED WITH THE CONDITION THAT THE LOWEST FLOOR (INCLUDING BASEMENT FLOOR) OF ANY NEW OR SUBSTANTIALLY IMPROVED RESIDENTIAL BUILDING WILL BE ELEVATED 1 FOOT/FEET ABOVE THE BASE FLOOD ELEVATION. IF THE PROPOSED DEVELOPMENT IS A NON-RESIDENTIAL BUILDING, THIS PERMIT IS ISSUED WITH THE CONDITION THAT THE LOWEST FLOOR (INCLUDING BASEMENT) OF A NEW OR SUBSTANTIALLY IMPROVED NON-RESIDENTIAL BUILDING WILL BE ELEVATED OR FLOODPROOFED 1 FOOT/FEET ABOVE THE BASE FLOOD ELEVATION.

THIS PERMIT IS USED WITH THE CONDITION THAT THE DEVELOPER/OWNER WILL PROVIDE CERTIFICATION BY A REGISTERED ENGINEER, ARCHITECT, OR LAND SURVEYOR OF THE "AS-BUILT" LOWEST FLOOR (INCLUDING BASEMENT) ELEVATION OF ANY NEW OR SUBSTANTIALLY IMPROVED BUILDING COVERED BY THIS PERMIT.

Engineering "No-Rise" Certificate

The Floodplain administrator must prohibit development in the Regulatory Floodway until the Engineering "No-Rise" Certification is completed. It must be demonstrated through hydrologic and hydraulic analyses that the proposed development will not result in any increase in flood levels during the occurrence of the base flood discharge.

To be complete by community: Floodplain Development Permit No. JC 2024-012

ENGINEERING "NO-RISE" CERTIFICATION

Community: Jefferson City County: Cole State: MO

Applicant: L.P. Morgan Date: 3/24/2024 Engineer: High and Dry Engineering

Address: 100 Chestnut Lane, Columbia, Missouri 65212 Address: 12 Engineering Lane, Columbia, Missouri 65212

Telephone: (573) 456-7890 Telephone: (321) 654-9874

SITE DATA:

1. Location: SE 1/4; NE 1/4; Section 15; Range 44N; Township: 12W

Street Address: 208 Eagle Drive, Jefferson City, Missouri 65102

2. Panel(s) No. of NFIP map(s) affected: 29051C0128E, dated November 2, 2012

3. Type of development: Filling Grading Excavation Minor Improv _____
Substantial-Improv _____ New Construction Other _____

4. Description of Development: The proposed structure will NOT be located in the FEMA defined Regulatory Floodway.
There will be filling, grading excavation, and underground utility activity within the Regulatory Floodway.

5. Name of flooding source: Wear's Creek

COMMENTS: The proposed conditions were analyzed using the original HEC-RAS model used by FEMA during the initial identification of the existing floodplain and floodway conditions. The model was calibrated and matched the effective published Base Flood Elevations (BFEs). The proposed construction activities, filling, grading, excavation and new construction, were then incorporated into the model and did not cause any increase in the effective published base flood elevations.

This is to certify that I am a duly qualified engineer licensed to practice in the State of Missouri. It is to further certify that the attached technical data supports the fact that the proposed development described above will not create any increase to the 100-year elevations on said flooding source above at published cross sections in the Flood Insurance Study for the above community dated November 2, 2012 and will not create any increase to the 100-year flood elevations at unpublished cross-section in the vicinity of the proposed development.

Name: John W. Engineer

Signature: John W. Engineer Date: 03/20/2024

Title: Principal Engineer License No.: MQPE00001



R7-No Rise

1/2023

"No-Rise" Certification is required for all proposed development in the Regulatory Floodway. "No-Rise" Certification must be completed (signed and sealed) by a registered Missouri Professional Engineer. "No-Rise" Certification must be obtained by the community before the Floodplain Development Permit may be approved. Now that the Floodplain Administrator has an Engineering "No-Rise" Certificate, a Floodplain Development Permit can be approved as long as all other NFIP requirements have been met.

Elevation Certificate

The Elevation Certificate (ECs) is an important administrative tool of the NFIP. ECs are used to provide elevation information to ensure compliance with community floodplain management ordinances and to support Letters of Map Amendments or Letters of Map Revision—based on Fill (LOMA or LOMR-F) requests. An Elevation Certificate based on finished construction must be on file with the community once the structure is completed.

Sections A and B of the Elevation Certificate (EC) can be completed by anyone. First, you must download the file to your computer. At that point, open it from your computer, not from the pop-up window in the browser.

Section A is where the property information is documented. Section B is where the Flood Insurance Rate Map (FIRM) information is documented. *B9 documents the Base Flood Elevation.*


U.S. DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency National Flood Insurance Program		OMB Control No. 1560-0008 Expiration Date: 06/30/2026
ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11 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: <u>L.P.Morgan</u>		Policy Number: _____
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>208 Eagle Drive</u>		Company NAIC Number: _____
City: <u>Jefferson City</u> State: <u>MO</u> ZIP Code: <u>65102</u>		
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: <u>SE NE Sec. 15 T44N R12W: Lot 47 Block 6, Fainwood 4th Add & Pt SE NE: PIN 1005150001005008</u>		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): <u>Residential</u>		
A5. Latitude/Longitude: Lat. <u>38,609976</u> Long. <u>-92,221148</u> Horiz. 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 color photographs (one for each side) of the building (see Form pages 7 and 8).		
A7. Building Diagram Number: <u>1A</u>		
A8. For a building with a crawlspace or enclosure(s):		
a) Square footage of crawlspace or enclosure(s): <u>N/A</u> 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 checked="" 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: <u>N/A</u> Engineered flood openings: <u>N/A</u>		
d) Total net open area of non-engineered flood openings in A8.c: <u>N/A</u> sq. in.		
e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): <u>N/A</u> sq. ft.		
f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): <u>N/A</u> sq. ft.		
A9. For a building with an attached garage:		
a) Square footage of attached garage: <u>868</u> sq. ft.		
b) Is there at least one permanent flood opening on two different sides of the attached garage? <input type="checkbox"/> Yes <input checked="" 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: <u>0</u> Engineered flood openings: <u>0</u>		
d) Total net open area of non-engineered flood openings in A9.c: <u>0</u> sq. in.		
e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): <u>0</u> sq. ft.		
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): <u>N/A</u> sq. ft.		
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION		
B1.a. NFIP Community Name: <u>Jefferson City</u>		B1.b. NFIP Community Identification Number: <u>290108</u>
B2. County Name: <u>Cole</u>	B3. State: <u>MO</u>	B4. Map/Panel No.: <u>29051C0128</u>
B5. Suffix: <u>E</u>		
B6. FIRM Index Date: <u>11/02/2012</u>		B7. FIRM Panel Effective/Revised Date: <u>11/02/2012</u>
B8. Flood Zone(s): <u>AE, X (sh), X</u>		
B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): <u>602,3</u>		
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 checked="" 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 checked="" 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 checked="" type="checkbox"/> No		
FEMA Form FF-206-FY-22-152 (formerly 086-0-33) (8/23)		Form Page 2 of 8

Elevation Certificate, Cont'd

The "new" Elevation Certificate is a fillable form! The sections at the top of the EC pages automatically fill in after Section A is completed. Be aware that the new form must be used after **November 1, 2023**, and expires on **June 30, 2026**. Once, completed, ECs never expire.

Sections C and D must be completed by a Missouri professional. In Missouri, a Land Surveyor typically completes Sections C and D. However, a Missouri Licensed Professional Engineer and Architect may complete the EC if they have the training and equipment to determine elevations.

A community's permit file must have an official record that shows that new buildings and substantial improvements are properly elevated. This elevation information is needed to show compliance with the floodplain management ordinance.

ELEVATION CERTIFICATE																												
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11																												
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 208 Eagle Drive	FOR INSURANCE COMPANY USE																											
City: <u>Jefferson City</u> State: <u>MO</u> ZIP Code: <u>65102</u>	Policy Number: _____ Company NAIC Number: _____																											
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 checked="" 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, ARA, 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: <u>JX12345</u> Vertical Datum: <u>NGVD 1929</u>																												
Indicate elevation datum used for the elevations in items a) through h) below. <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other: _____																												
Datum used for building elevations must be the same as that used for the BFE. Conversion factor used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, describe the source of the conversion factor in the Section D Comments area.																												
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%;"></th> <th style="width: 20%; text-align: center;">Check the measurement used:</th> </tr> </thead> <tbody> <tr> <td>a) Top of bottom floor (including basement, crawlspace, or enclosure floor):</td> <td style="text-align: center;"><u>604.3</u></td> <td style="text-align: center;"><input checked="" type="checkbox"/> feet <input type="checkbox"/> meters</td> </tr> <tr> <td>b) Top of the next higher floor (see Instructions):</td> <td style="text-align: center;"><u>614.5</u></td> <td style="text-align: center;"><input checked="" type="checkbox"/> feet <input type="checkbox"/> meters</td> </tr> <tr> <td>c) Bottom of the lowest horizontal structural member (see Instructions):</td> <td style="text-align: center;"><u>N/A</u></td> <td style="text-align: center;"><input type="checkbox"/> feet <input type="checkbox"/> meters</td> </tr> <tr> <td>d) Attached garage (top of slab):</td> <td style="text-align: center;"><u>603.4</u></td> <td style="text-align: center;"><input checked="" type="checkbox"/> feet <input type="checkbox"/> meters</td> </tr> <tr> <td>e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area):</td> <td style="text-align: center;"><u>604.8</u></td> <td style="text-align: center;"><input checked="" type="checkbox"/> feet <input type="checkbox"/> meters</td> </tr> <tr> <td>f) Lowest Adjacent Grade (LAG) next to building: <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Finished</td> <td style="text-align: center;"><u>603.1</u></td> <td style="text-align: center;"><input checked="" type="checkbox"/> feet <input type="checkbox"/> meters</td> </tr> <tr> <td>g) Highest Adjacent Grade (HAG) next to building: <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Finished</td> <td style="text-align: center;"><u>604.1</u></td> <td style="text-align: center;"><input checked="" type="checkbox"/> feet <input type="checkbox"/> meters</td> </tr> <tr> <td>h) Finished LAG at lowest elevation of attached deck or stairs, including structural support:</td> <td style="text-align: center;"><u>N/A</u></td> <td style="text-align: center;"><input type="checkbox"/> feet <input type="checkbox"/> meters</td> </tr> </tbody> </table>				Check the measurement used:	a) Top of bottom floor (including basement, crawlspace, or enclosure floor):	<u>604.3</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters	b) Top of the next higher floor (see Instructions):	<u>614.5</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters	c) Bottom of the lowest horizontal structural member (see Instructions):	<u>N/A</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters	d) Attached garage (top of slab):	<u>603.4</u>	<input checked="" 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):	<u>604.8</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters	f) Lowest Adjacent Grade (LAG) next to building: <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Finished	<u>603.1</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters	g) Highest Adjacent Grade (HAG) next to building: <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Finished	<u>604.1</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters	h) Finished LAG at lowest elevation of attached deck or stairs, including structural support:	<u>N/A</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters
		Check the measurement used:																										
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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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Check here if attachments and describe in the Comments area.																												
Certifier's Name: <u>John Q. Surveyor</u> License Number: <u>LS1234</u>																												
Title: <u>Principal Surveyor</u>																												
Company Name: <u>High and Dry Surveying Company</u>																												
Address: <u>1212 Elevated Lane</u>																												
City: <u>Columbia</u> State: <u>MO</u> ZIP Code: <u>65555</u>																												
Telephone: (573) 123-4567 Ext: <u>58</u> Email: <u>JQS@JQS.com</u>																												
Signature: _____ Date: <u>08/08/2024</u>																												
																												
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):																												
A5: Google Earth; C2 datum conversion: NGVD29+0,144=NAVD88, NOAA NCAT; C2.e: AC condenser, left side of house																												

Elevation Certificate, Cont'd

If you have Base Flood Elevations (BFEs), Sections E and F do not need to be completed because these sections are for Zone A areas (without BFEs). In the comments, simply type **“Sections E and F are intentionally left blank.”** Sections E and F can be completed by anyone. Section G is recommended for community official completion.

ELEVATION CERTIFICATE	
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 208 Eagle Drive	FOR INSURANCE COMPANY USE
City: <u>Jefferson City</u> State: <u>MO</u> ZIP Code: <u>65102</u>	Policy Number: _____ Company NAIC Number: _____
SECTION G – COMMUNITY INFORMATION (RECOMMENDED FOR COMMUNITY OFFICIAL COMPLETION)	
The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Section A, B, C, E, G, or H of this Elevation Certificate. Complete the applicable item(s) and sign below when:	
G1. <input type="checkbox"/> The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by state law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)	
G2.a. <input type="checkbox"/> A local official completed Section E for a building located in Zone A (without a BFE), Zone AO, or Zone AR/AO, or when item E5 is completed for a building located in Zone AO.	
G2.b. <input checked="" type="checkbox"/> A local official completed Section H for insurance purposes.	
G3. <input type="checkbox"/> In the Comments area of Section G, the local official describes specific corrections to the information in Sections A, B, E and H.	
G4. <input checked="" type="checkbox"/> The following information (Items G5–G11) is provided for community floodplain management purposes.	
G5. Permit Number: <u>JC 2024-012</u> G6. Date Permit Issued: <u>03/28/2024</u>	
G7. Date Certificate of Compliance/Occupancy Issued: <u>08/30/2024</u>	
G8. This permit has been issued for: <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Substantial Improvement	
G9.a. Elevation of as-built lowest floor (including basement) of the building: <u>604.3</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters Datum: <u>NAVD 1988</u>	
G9.b. Elevation of bottom of as-built lowest horizontal structural member: <u>N/A</u> <input type="checkbox"/> feet <input type="checkbox"/> meters Datum: _____	
G10.a. BFE (or depth in Zone AO) of flooding at the building site: <u>602.3</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters Datum: <u>NAVD 1988</u>	
G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member: <u>603.3</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters Datum: <u>NAVD 1988</u>	
G11. Variance issued? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, attach documentation and describe in the Comments area.	
The local official who provides information in Section G must sign here, I have completed the information in Section G and certify that it is correct to the best of my knowledge. If applicable, I have also provided specific corrections in the Comments area of this section.	
Local Official's Name: <u>Carrie Lou McHugh, CFM</u> Title: <u>Floodplain Administrator</u>	
NFIP Community Name: <u>City of Jefferson City</u>	
Telephone: (573) 951-7535 Ext.: <u>58</u> Email: <u>kmac@kmac.gov</u>	
Address: <u>1231 Main Street</u>	
City: <u>Jefferson City</u> State: <u>MO</u> ZIP Code: <u>65101</u>	
Signature: <u>Carrie Lou McHugh, CFM</u> Date: <u>08/25/2024</u>	
Comments (including type of equipment and location, per C2.e; description of any attachments; and corrections to specific information in Sections A, B, D, E, or H): 	

Section G can only be completed by the community and helps the community tie the EC to the Floodplain Development Permit.

Elevation Certificate, Cont'd

First Floor Height is the height of the building's first lowest floor above the adjacent grade. This is at or above grade only! The First Floor Height is the level of the first livable floor, and is used for rating insurance. It's recorded in new Section H, but interpreted from Section C or E.

H1.a = C2.a - LAG

H2.b = C2.b - LAG

ELEVATION CERTIFICATE	
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 208 Eagle Drive City: <u>Jefferson City</u> State: <u>MO</u> ZIP Code: <u>65102</u>	FOR INSURANCE COMPANY USE Policy Number: _____ Company NAIC Number: _____
SECTION H—BUILDING'S FIRST FLOOR HEIGHT INFORMATION FOR ALL ZONES (SURVEY NOT REQUIRED) (FOR INSURANCE PURPOSES ONLY)	
The property owner, owner's authorized representative, or local floodplain management official may complete Section H for all flood zones to determine the building's first floor height for insurance purposes. Sections A, B, and I must also be completed. Enter heights to the nearest tenth of a foot (nearest tenth of a meter in Puerto Rico). <i>Reference the Foundation Type Diagrams (at the end of Section H Instructions) and the appropriate Building Diagrams (at the end of Section I Instructions) to complete this section.</i>	
H1. Provide the height of the top of the floor (as indicated in Foundation Type Diagrams) above the Lowest Adjacent Grade (LAG):	
a) For Building Diagrams 1A, 1B, 3, and 5-8. Top of bottom _____ 1.2 <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters <input checked="" type="checkbox"/> above the LAG floor (include above-grade floors only for buildings with crawlspaces or enclosure floors) is:	
b) For Building Diagrams 2A, 2B, 4, and 6-9. Top of next higher floor (i.e., the floor above basement, crawlspace, or enclosure floor) is: _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above the LAG	
H2. Is all Machinery and Equipment servicing the building (as listed in Item H2 instructions) elevated to or above the floor indicated by the H2 arrow (shown in the Foundation Type Diagrams at end of Section H Instructions) for the appropriate Building Diagram? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
SECTION I – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENTATIVE) CERTIFICATION	
The property owner or owner's authorized representative who completes Sections A, B, and H must sign here. <i>The statements in Sections A, B, and H are correct to the best of my knowledge. Note: If the local floodplain management official completed Section H, they should indicate in Item G2.b and sign Section G.</i>	
<input checked="" type="checkbox"/> Check here if attachments are provided (including required photos) and describe each attachment in the Comments area.	
Property Owner or Owner's Authorized Representative Name: <u>Carrie Lou McHugh, CFM</u>	
Address: <u>1231 Main Street</u>	
City: <u>Jefferson City</u> State: <u>MO</u> ZIP Code: <u>65101</u>	
Telephone: <u>(573) 951-7535</u> Ext.: <u>58</u> Email: <u>kmac@kmac.gov</u>	
Signature: _____ Date: <u>08/25/2024</u>	
Comments: _____	

Sections H and I are the two new sections. Sections H and I can be completed by anyone; therefore, a professional survey is not required. These two sections are for flood insurance use only. Sections A, B, H & I must be completed, not the entire EC. If Section C and/or E are also completed, Section C prevails over Section H for insurance and compliance purposes.

Missouri Floodplain Management Section
PO Box 116
Jefferson City, Missouri 65102
Phone: 573-526-9129

The Mission Statement of the Floodplain Management Section:
The mission of Missouri's Comprehensive Floodplain Management Program is to make the state and its citizens less vulnerable to the impact of flooding through the effective administration of statewide floodplain management, and to provide local communities with the tools and resources for managing, assessing, and planning for development in flood prone areas; to save lives; and to protect property.



Get social with SEMA!
@MoSEMA_ @MissouriSEMA
sema.dps.mo.gov

Other Contact Information

National Flood Insurance Program:

Ally Bishop, Region VII Regional Manager

Phone: 913-837-5220

ally.bishop@associates.fema.dhs.gov

Christopher (Chris) Parsons, NFIP Insurance Specialist

Phone: 816-283-7980

christopher.parsons@fema.dhs.gov

Registration Now Open!

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[Here](#)

Join the Association of State Floodplain Managers (ASFPM) at the world's largest and most comprehensive floodplain management conference, June 23-27, 2024 in Salt Lake City, Utah.

This year marks our 48th annual conference but it's our very first time to Salt Lake City so we're super excited to head west for what's sure to be an elevated experience — the city sits at around 4,300 feet above sea level after all. The conference program features 81 concurrent sessions for a total of more than 200 presentations.

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June 23-27, 2024 | Salt Lake City, Utah



"Breaking the Build, Flood, Rebuild Cycle"

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