

## ELEVATION CERTIFICATE

OMB No. 1660-0008  
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION		For Insurance Company Use:				
A1. Building Owner's Name	Dave & Paula Craig					
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	2745 Emery Place					
City	Missoula	State	MT	ZIP Code	59804	Policy Number

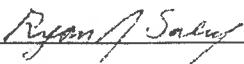
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Lot 3 of the Maple Brook Estates Subdivision

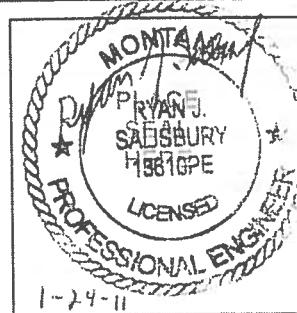
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)	Residential				
A5. Latitude/Longitude: Lat. 46°52'08.4"N Long. 114°02'46.7"W	Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983				
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.					
A7. Building Diagram Number	2				
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s)	1200	sq ft	a) Square footage of attached garage	840	sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade	N/A		b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade	N/A	
c) Total net area of flood openings in A8.b	N/A	sq in	c) Total net area of flood openings in A9.b	N/A	sq in
d) Engineered flood openings?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		d) Engineered flood openings?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number		B2. County Name		B3. State	
City of Missoula 300049		Missoula		Montana	
B4. Map/Panel Number 30063C1460	B5. Suffix D	B6. FIRM Index Date 8/16/1988	B7. FIRM Panel Effective/Revised Date 8/16/1988	B8. Flood Zone(s) N/A	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 3147.0'

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
<input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input checked="" type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____
11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)					
C1. Building elevations are based on: <input checked="" 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, A (with BFE), VE, V1-V30, V (with BFE), AR, ARA, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.					
Benchmark Utilized <u>WGM TBMA</u> Vertical Datum <u>NAVD88</u>					
Conversion/Comments _____					
Check the measurement used.					
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	3149.1	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)			
b) Top of the next higher floor	3157.95	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)			
c) Bottom of the lowest horizontal structural member (V Zones only)	_____	<input type="checkbox"/> feet <input checked="" type="checkbox"/> meters (Puerto Rico only)			
d) Attached garage (top of slab)	3155.10	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)			
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	3149.1	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)			
f) Lowest adjacent (finished) grade next to building (LAG)	_____	<input type="checkbox"/> feet <input checked="" type="checkbox"/> meters (Puerto Rico only)			
g) Highest adjacent (finished) grade next to building (HAG)	_____	<input type="checkbox"/> feet <input checked="" type="checkbox"/> meters (Puerto Rico only)			
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	_____	<input type="checkbox"/> feet <input checked="" type="checkbox"/> meters (Puerto Rico only)			

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION					
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001. <input type="checkbox"/>					
Check here if comments are provided on back of form.		Were latitude and longitude in Section A provided by a licensed land surveyor? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Certifier's Name Ryan J. Salisbury, P.E.			License Number 13610 PE		
Title Principal Engineer		Company Name WGM Group, Inc.			
Address 1111 E. Broadway		City Missoula		State MT	ZIP Code 59802
Signature 		Date 1-24-11		Telephone (406) 728-4611	



<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			For Insurance Company Use:
Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2745 Emery Place			Policy Number
City Missoula	State MT	ZIP Code 59804	Company NAIC Number

#### SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

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

Comments

*Ryan J. Saylor*

1-24-11

Date

Check here if attachments

#### SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).

a) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_  feet  meters  above or  below the HAG.  
 b) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_  feet  meters  above or  below the LAG.

E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is \_\_\_\_\_  feet  meters  above or  below the HAG.

E3. Attached garage (top of slab) is \_\_\_\_\_  feet  meters  above or  below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is \_\_\_\_\_  feet  meters  above or  below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance?  Yes  No  Unknown. The local official must certify this information in Section G.

#### SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge.*

Property Owner's or Owner's Authorized Representative's Name

Address	City	State	ZIP Code
Signature	Date	Telephone	
Comments			

Check here if attachments

#### SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8 and G9.

G1.  The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2.  A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3.  The following information (Items G4-G9) is provided for community floodplain management purposes.

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

G7. This permit has been issued for:  New Construction  Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: \_\_\_\_\_  feet  meters (PR) Datum \_\_\_\_\_

G9. BFE or (in Zone AO) depth of flooding at the building site: \_\_\_\_\_  feet  meters (PR) Datum \_\_\_\_\_

G10. Community's design flood elevation: \_\_\_\_\_  feet  meters (PR) Datum \_\_\_\_\_

Local Official's Name	Title
Community Name	Telephone

Signature

Date

Comments

Check here if attachments

Elevation Certificate for 2745 Emery Place (Lot 3 of Maple Brook Estates)  
Section D – Continued

The FEMA Form 81-31 is not applicable in areas designated as Zone X (areas determined to be outside 500-year floodplain). This certificate is being completed as a condition of subdivision approval imposed by the City of Missoula. The condition requires that "the developer or individual lot owners shall include pre-construction elevation certificates at the time of Zoning Compliance Permit submittal documenting the lowest floor and utility elevations with post-construction elevation certificates submitted upon building completion." In addition the final plat for Maple Brook Estates states that "the lowest floor elevation, including basements, mechanical equipment, and ductwork shall be a minimum of 2 feet above base flood elevation, being 3147.0 feet NAVD88."

The 100-year flood elevation on the adjacent Clark Fork River area is interpolated to be 3147.0 feet based on a NAVD 1988 datum.

It is recommended that Lot 3 have a basement finished floor elevation of 3149.1 feet, which is 2.1 feet above the minimum required. The main finished floor elevation will be at an elevation of 3157.95. The garage floor will be at an elevation of approximately 3155.1 feet.

When constructed according to the plans the structure will meet the conditions imposed by the subdivision approval.

