

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires February 28, 2009

Important: Read the instructions on pages 1-8.

SECTION A - PROPERTY INFORMATION		For Insurance Company Use:
A1. Building Owner's Name All About Construction		Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2740 Roderick Way		Company NAIC Number
City Missoula State MT ZIP Code 59804		

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Lot 20 of Stream Side Subdivision

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) **Residential, Single-Family Dwelling Unit**

A5. Latitude/Longitude: Lat. **46°52'24.8"N** Long. **114°02'41.6"W** Horizontal Datum: ☐ NAD 1927 ☒ NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number **2**

A8. For a building with a crawl space or enclosure(s), provide:

a) Square footage of crawl space or enclosure(s)	1325 sq ft
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade	NA
c) Total net area of flood openings in A8.b	NA sq in

A9. For a building with an attached garage, provide:

a) Square footage of attached garage	470 sq ft
b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade	NA
c) Total net area of flood openings in A9.b	NA sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number City of Missoula, 300049		B2. County Name Missoula		B3. State MT	
B4. Map/Panel Number 300063C1460D 1460 of 1900	B5. Suffix D	B6. FIRM Index Date Aug. 16, 1988	B7. FIRM Panel Effective/Revised Date Aug. 16, 1988	B8. Flood Zone(s) X	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) N/A, See Sect. D

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

☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe) _____

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other (Describe) _____

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

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☒ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction
*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, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO Complete Items C2-a-g below according to the building diagram specified in Item A7.
Benchmark Utilized **TBM2** Vertical Datum **NAVD88**
Conversion/Comments **NGVD29 to NAVD88 is +3.58'**


Check the measurement used

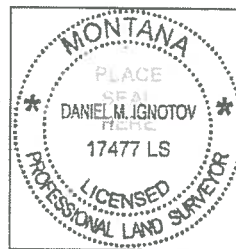
- | | | |
|---|---------------|---|
| a) Top of bottom floor (including basement, crawl space, or enclosure floor) | 3148.9 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only) |
| b) Top of the next higher floor | 3153.7 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only) |
| c) Bottom of the lowest horizontal structural member (V Zones only) | _____ | <input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only) |
| d) Attached garage (top of slab) | 3151.9 | <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 in Comments) | 3153.7 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only) |
| f) Lowest adjacent (finished) grade (LAG) | 3150.8 | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only) |
| g) Highest adjacent (finished) grade (HAG) | 3151.9 | <input checked="" type="checkbox"/> feet <input 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.

☐ Check here if comments are provided on back of form.

Certifier's Name Dan M. Ignatov		License Number 17477LS	
Title Land Surveyor		Company Name WGM Group, Inc.	
Address P.O. Box 16027 / 3021 Palmer, Ste. A City Missoula		State MT ZIP Code 59808	
Signature 	Date 7-14-2008	Telephone 406.728.4611	



IMPORTANT: In these spaces, copy the corresponding information from Section A.	For Insurance Company Use
Building Street Address (including Apt., Unit, Suite, or Bldg. No.) or P.O. Route and Box No. 2740 Roderick Way	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 See Attachment

Signature Dan M. Ignatov

Date 7-14-2008

☒ 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, crawl space, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- b) Top of bottom floor (including basement, crawl space, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.
- E2. For Building Diagrams 6-8 with permanent flood openings provided in Section A Items 8 and/or 9 (see page 8 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
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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 _____

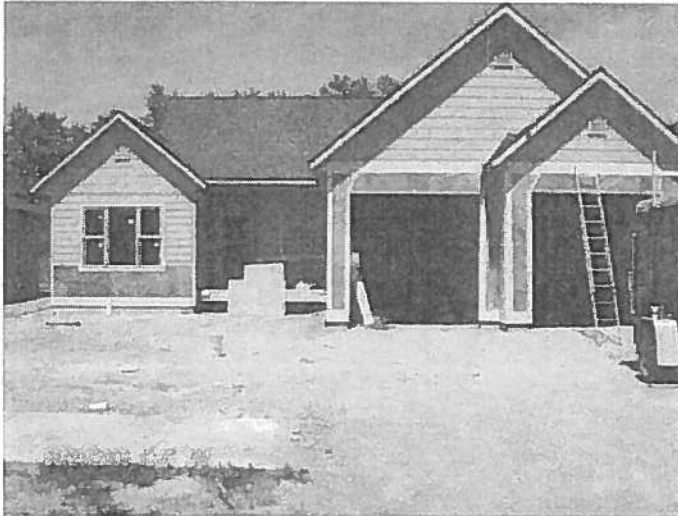
Local Official's Name	Title
Community Name	Telephone
Signature	Date
Comments	

☐ Check here if attachments

Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2740 Roderick Way	For Insurance Company Use:
City Missoula State MT ZIP Code 59804	Policy Number
	Company NAIC Number
If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page, following.	



Front



Rear

Elevation Certificate for Lot 20 of Stream Side Subdivision
2740 Roderick Way
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 on the Stream Side subdivision. The condition requires "the lowest floor, including basements, of any structure anywhere on the property shall be at least 2' above the 100-year flood elevation of the Clark Fork River. Crawlspace floors may be at or above the elevation of the 100-year flood if they do not contain mechanical equipment. Elevation Certificates shall be submitted documenting the lowest floor and utility elevations are a minimum of 2' above the base flood elevation".

The 100-year flood elevation on the adjacent Clark Fork River area is interpolated to be 3149.6 based on the NAVD 1988 datum.

By field survey on June 25, 2008, the finished (main) floor of the residence is constructed to Elevation 3153.7, which is 2.1 feet above the minimum required. The crawl space was determined to be at an elevation of 3149.9 feet, which is greater than the minimum required. The garage subfloor is constructed to Elevation 3151.9 feet. Final concrete slab has not been poured at time of survey. The HVAC mechanical room is on the main floor, which is 4.1 feet above the regulatory 100-year flood elevation.

As currently constructed the structure meets the conditions imposed by the subdivision approval.

