

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires February 28, 2009

Important: Read the instructions on pages 1-8.

SECTION A - PROPERTY INFORMATION

| | |
|---|----------------------------|
| Building Owner's Name: Garramone Builders, Inc. | For Insurance Company Use: |
| | Policy Number |
| A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2635 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 4 of the Stream Side Subdivision

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

A5. Latitude/Longitude: Lat. **46°52'25.1"N** Long. **114°02'38.4"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) **1428** sq ft
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade **N/A**
c) Total net area of flood openings in A8.b **N/A** sq in

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

- a) Square footage of attached garage **520** sq ft
b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade **N/A**
c) Total net area of flood openings in A9.b **N/A** 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 Montana | | | |
| B4. Map/Panel Number 300063C 1460D | B5. Suffix D | B6. FIRM Index Date 8/16/1988 | B7. FIRM Panel Effective/Revised Date 8/16/1988 | B8. Flood Zone(s) X | B9. Base Flood Elevation(s) (Zone AO, use base flood depth) N/A Zone X |

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 **WGM TBM2** Vertical Datum **NAVD88**
Conversion/Comments **NGVD29 to NAVD88, +3.58'**

Check the measurement used.

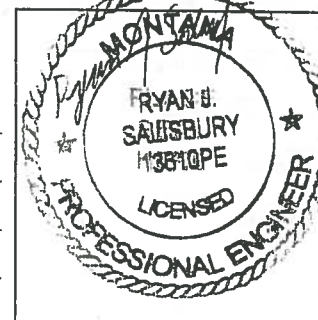
- a) Top of bottom floor (including basement, crawl space, or enclosure floor) **3150.2** ☒ feet ☐ meters (Puerto Rico only)
b) Top of the next higher floor **3154.40** ☐ feet ☐ meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) **_____** ☐ feet ☐ meters (Puerto Rico only)
d) Attached garage (top of slab) **3152.97** ☒ feet ☐ meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building **3152.97** ☒ feet ☐ meters (Puerto Rico only)
(Describe type of equipment in Comments)
f) Lowest adjacent (finished) grade (LAG) **_____** ☒ feet ☐ meters (Puerto Rico only)
g) Highest adjacent (finished) grade (HAG) **_____** ☒ feet ☐ 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 J. Salisbury, P.E. | License Number 13610 PE |
| Principal Engineer | Company Name WGM Group, Inc. |
| Address 3021 Palmer | City Missoula State MT ZIP Code 59808 |
| Signature <i>Ryan J. Salisbury</i> | Date 3/31/09 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, and/or Bldg. No.) or P.O. Route and Box No. 2635 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 _____ 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, 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 _____ |
|-------------------------|------------------------------|---|

- 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

Elevation Certificate for Lot 4 of Stream Side Subdivision
2635 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 3149.58 based on a NAVD 1988 datum.

The Site Plan on sheet A1.2 of the house plans furnished to this office (dated 2/25/09) for 2635 Roderick Way (lot 4), indicates the finished floor of the residence will be constructed to elevation 3154.40 which is 2.82 feet above the minimum required. Based on the dimensions shown in detail 1 on sheet A7.1, the crawl space will be at an elevation of 3150.2 which is 0.6' above the minimum required. The garage floor will be constructed to an elevation of 3152.97 which is 3.4 feet above the minimum required.

The Main Level Floor Plan on Sheet A3.1 indicates the mechanical equipment shall be located in a mechanical room attached to the garage at an elevation of 3152.97 feet or higher, which is 1.39 feet above the minimum required by the subdivision condition.

When constructed according to the plans furnished to this office the structure will meet the condition imposed by the subdivision approval.



The first part of the report deals with the general situation of the country. It is a very interesting and informative study of the country's development. The author has done a great deal of research and has gathered a wealth of material. The report is well written and is a valuable contribution to the study of the country's development.

The second part of the report deals with the economic situation of the country. It is a very interesting and informative study of the country's economic development. The author has done a great deal of research and has gathered a wealth of material. The report is well written and is a valuable contribution to the study of the country's economic development.

The third part of the report deals with the social situation of the country. It is a very interesting and informative study of the country's social development. The author has done a great deal of research and has gathered a wealth of material. The report is well written and is a valuable contribution to the study of the country's social development.

The fourth part of the report deals with the political situation of the country. It is a very interesting and informative study of the country's political development. The author has done a great deal of research and has gathered a wealth of material. The report is well written and is a valuable contribution to the study of the country's political development.

The fifth part of the report deals with the cultural situation of the country. It is a very interesting and informative study of the country's cultural development. The author has done a great deal of research and has gathered a wealth of material. The report is well written and is a valuable contribution to the study of the country's cultural development.

