

U.S. DEPARTMENT OF HOMELAND SECURITY  
Federal Emergency Management Agency  
National Flood Insurance Program

OMB Control No. 1660-0008  
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>Joseph A. Bowie &amp; Jesica N. Bowie</u>		Policy Number: _____
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>6295 Upper Patterson Creek Road</u>		Company NAIC Number: _____
City: <u>Burlington</u> State: <u>WV</u> ZIP Code: <u>26710</u>		
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: <u>As described in Mineral County, West Virginia, Deed Book 408, Page 888</u>		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): <u>Residential</u>		
A5. Latitude/Longitude: Lat. <u>39.375776</u> Long. <u>-78.873973</u> Horiz. Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983 <input 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>4600</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 checked="" type="checkbox"/> No <input 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>0</u> Engineered flood openings: <u>0</u>		
d) Total net open area of non-engineered flood openings in A8.c: <u>0</u> sq. in.		
e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): <u>0</u> sq. ft.		
f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): <u>0</u> sq. ft.		
A9. For a building with an attached garage:		
a) Square footage of attached garage: <u>na</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 type="checkbox"/> No <input checked="" 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>na</u> Engineered flood openings: <u>na</u>		
d) Total net open area of non-engineered flood openings in A9.c: <u>na</u> sq. in.		
e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): <u>na</u> sq. ft.		
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): <u>na</u> sq. ft.		
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION		
B1.a. NFIP Community Name: <u>Mineral County</u>		B1.b. NFIP Community Identification Number: <u>540129</u>
B2. County Name: <u>Mineral County</u>	B3. State: <u>WV</u>	B4. Map/Panel No.: <u>54057C0215</u> B5. Suffix: <u>D</u>
B6. FIRM Index Date: <u>03/19/2013</u>		B7. FIRM Panel Effective/Revised Date: <u>03/19/2013</u>
B8. Flood Zone(s): <u>A</u>		B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): <u>695.8'</u>
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: <input type="checkbox"/> FIS <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other: <u>Response by Jay Aya-ay, see comments</u>		
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		



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## FOR INSURANCE COMPANY USE

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

City: Burlington

State: WV ZIP Code: 26710

## 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, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, 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: Opus Vertical Datum: NAVD 1988

Indicate elevation datum used for the elevations in items a) through h) below.

☐ NGVD 1929 ☒ NAVD 1988 ☐ Other: \_\_\_\_\_

Datum used for building elevations must be the same as that used for the BFE. Conversion factor used?

☒ Yes ☐ No

If Yes, describe the source of the conversion factor in the Section D Comments area.

Check the measurement used:

a) Top of bottom floor (including basement, crawlspace, or enclosure floor): 695.8 ☒ feet ☐ meters

b) Top of the next higher floor (see Instructions): NA ☐ feet ☐ meters

c) Bottom of the lowest horizontal structural member (see Instructions): NA ☐ feet ☐ meters

d) Attached garage (top of slab): NA ☐ feet ☐ 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): 695.8 ☒ feet ☐ meters

f) Lowest Adjacent Grade (LAG) next to building: ☒ Natural ☐ Finished 693.7 ☒ feet ☐ meters

g) Highest Adjacent Grade (HAG) next to building: ☒ Natural ☐ Finished 694.2 ☒ feet ☐ meters

h) Finished LAG at lowest elevation of attached deck or stairs, including structural support: NA ☐ feet ☐ meters

## 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? ☒ Yes ☐ No

☒ Check here if attachments and describe in the Comments area.

Certifier's Name: Gregory E. Vanscoy License Number: WV PS 2466

Title: Project Surveyor

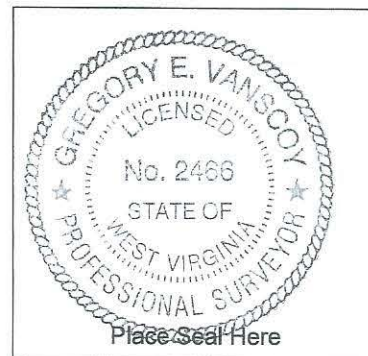
Company Name: RK&K Engineers

Address: 159 Plaza Drive

City: Keyser State: WV ZIP Code: 26726

Telephone: (304) 788-3370 Ext.: \_\_\_\_\_ Email: gvanscoy@rkk.com

Signature: [Signature] Date: 8/27/24



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):  
Opus Report attached

Owner to build storage building, plans on fill to the base flood elevation.

Base flood elevation determined by relative location based on the WV Flood Tool at mapwv.gov, and base flood elevation described in response by Jay Aya-ay, Chief, Planning Branch, US Army Corps of Engineers, Huntington District, ID 2301-2409-5640.



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City: Burlington

State: WV

ZIP Code: 26710

## FOR INSURANCE COMPANY USE

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

## SECTION E – BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)

For Zones AO, AR/AO, and A (without BFE), complete Items E1–E5. For Items E1–E4, use natural grade, if available. If the Certificate is intended to support a Letter of Map Change request, complete Sections A, B, and C. Check the measurement used. In Puerto Rico only, enter meters.

Building measurements are based on: ☒ Construction Drawings\* ☐ Building Under Construction\* ☐ Finished Construction

\*A new Elevation Certificate will be required when construction of the building is complete.

E1. Provide measurements (C.2.a in applicable Building Diagram) for the following and check the appropriate boxes to show whether the measurement is above or below the natural HAG and the LAG.

a) Top of bottom floor (including basement, crawlspace, or enclosure) is: \_\_\_\_\_ 1.6 ☒ feet ☐ meters ☒ above or ☐ below the HAG.

b) Top of bottom floor (including basement, crawlspace, or enclosure) is: \_\_\_\_\_ 2.1 ☒ 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 1–2 of Instructions), the next higher floor (C2.b in applicable Building Diagram) 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: \_\_\_\_\_ 1.6 ☒ 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 AUTHORIZED REPRESENTATIVE) CERTIFICATION

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

☐ Check here if attachments and describe in the Comments area.

Property Owner or Owner's Authorized Representative Name: Gregory E. Vanscoy, P.S. 2466

Address: 159 Plaza Drive

City: Keyser

State: WV

ZIP Code: 26726

Telephone: (304) 788-3370

Ext.: \_\_\_\_\_

Email: gvanscoy@rkk.com

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

08/27/24

Comments: \_\_\_\_\_





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6295 Upper Patterson Creek Road

City: Burlington

State: WV ZIP Code: 26710

## 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). **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.**

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 floor (include above-grade floors only for buildings with crawlspaces or enclosure floors) is: \_\_\_\_\_ 2.1 ☒ feet ☐ meters ☒ above the LAG

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: \_\_\_\_\_ NA ☐ feet ☐ meters ☐ 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?

☒ Yes ☐ 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. *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.

☐ 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: Gregory E. Vanscoy, WV P.S. 2466

Address: 159 Plaza Drive

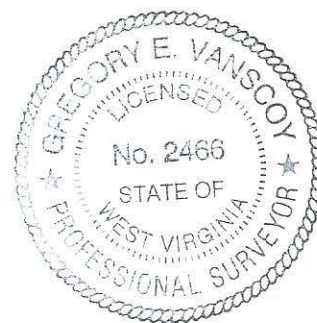
City: Keyser State: WV ZIP Code: 26726

Telephone: (304) 788-3370 Ext.: \_\_\_\_\_ Email: gvanscoy@rkk.com

Signature: \_\_\_\_\_

Date: 8/27/24

Comments: \_\_\_\_\_





**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11**  
**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.:  
6295 Upper Patterson Creek Road

City: Burlington State: WV ZIP Code: 26710

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo One

Photo One Caption: Front Right 08/08/2024

Clear Photo One



Photo Two

Photo Two Caption: Front Left 08/08/2024

Clear Photo Two



**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11**  
**BUILDING PHOTOGRAPHS**

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:  
6295 Upper Patterson Creek Road

City: Burlington State: WV ZIP Code: 26710

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo Three

Photo Three Caption: Rear Left 08/08/2024

Clear Photo Three



Photo Four

Photo Four Caption: Rear Right 08/08/2024

Clear Photo Four

## Greg Vanscoy

**From:** opus <opus@ngs.noaa.gov>  
**Sent:** Tuesday, August 27, 2024 2:29 PM  
**To:** Greg Vanscoy  
**Subject:** OPUS-RS solution : 07832391.24o OP1724783173628

EXTERNAL EMAIL: Do not click links or open attachments unless you trust the 'Sender' and know the content is safe.

FILE: 07832391.24o OP1724783173628

### NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.  
For additional information: <https://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: gvanscoy@rkk.com                      DATE: August 27, 2024  
RINEX FILE: 0783239r.24o                      TIME: 18:27:53 UTC

SOFTWARE: rsgps 1.38 RS252.prl 1.99.3                      START: 2024/08/26 17:01:05  
EPHEMERIS: igu23291.eph [ultra-rapid]                      STOP: 2024/08/26 18:05:20  
NAV FILE: brdc2390.24n                      OBS USED: 4568 / 4944 : 92%  
ANT NAME: TRMR12                      NONE                      QUALITY IND. 3.02/ 30.08  
ARP HEIGHT: 2.05                      NORMALIZED RMS: 0.441

REF FRAME: NAD\_83(2011)(EPOCH:2010.0000)                      ITRF2014 (EPOCH:2024.65227)

X: 952690.917(m) 0.013(m)                      952689.941(m) 0.013(m)  
Y: -4844173.071(m) 0.022(m)                      -4844171.641(m) 0.022(m)  
Z: 4024934.773(m) 0.023(m)                      4024934.724(m) 0.023(m)

LAT: 39 22 39.90590 0.010(m)                      39 22 39.93740 0.010(m)  
E LON: 281 7 34.37537 0.010(m)                      281 7 34.34686 0.010(m)  
W LON: 78 52 25.62463 0.010(m)                      78 52 25.65314 0.010(m)  
EL HGT: 178.616(m) 0.032(m)                      177.355(m) 0.032(m)  
ORTHO HGT: 211.212(m) 0.037(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES		STATE PLANE COORDINATES	
UTM (Zone 17)		SPC (4701 WV N)	
Northing (Y) [meters]	4360853.841		97633.167
Easting (X) [meters]	683138.021		653954.029
Convergence [degrees]	1.34931111		0.39938333
Point Scale	1.00001297		0.99995008
Combined Factor	0.99998495		0.99992206

US NATIONAL GRID DESIGNATOR: 17SPD8313860854(NAD 83)





# BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP2883	P817 STCLAIRSVIPA2013 CORS GRP	N400844.059	W0783040.187	90740.7
DL3476	LOYY LOYOLA Y CORS ARP	N385318.547	W0782956.943	63244.3
DH7958	LOYA LOYOLA A COOP CORS ARP	N382533.900	W0785321.774	105660.3
DN9087	WVTA TERRA ALTA CORS ARP	N392616.643	W0793052.953	55610.4
DL3184	LOYR LOYOLA R CORS ARP	N393408.726	W0755914.995	249237.3
DH8807	LOYC LOYOLA C COOP CORS ARP	N390712.546	W0781202.609	64758.6
DM4710	WVNR ELKINS CORS ARP	N385344.505	W0795130.270	100559.1
DL2039	LOYQ LOYOLA LOYQ CORS ARP	N393802.593	W0774251.098	103712.6

## NEAREST NGS PUBLISHED CONTROL POINT

JW0334	J 18	N391944.000	W0785300.000	5486.9
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This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

