

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 PAGES 9-19

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>MICHAEL SHAPIRO</u>	Policy Number: _____
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>149 ESCONDIDA DRIVE</u>	Company NAIC Number: _____
City: <u>SOUTH FORK</u> State: <u>CO</u> ZIP Code: <u>81154</u>	
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: <u>LOT 1, BEAVER MOUNTAIN ESTATES, PHASE 3, FILING 1 - ASSESSOR #1523201007</u>	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): <u>RESIDENTIAL</u>	
A5. Latitude/Longitude: Lat. <u>37°39'39.89"N</u> Long. <u>106°38'49.97"W</u> Horizontal Datum: ☐ NAD 1927 ☐ NAD 1983 ☒ WGS 84	
A6. Attach at least two and when possible four clear photographs (one for each side) of the building (see Form pages 7 and 8).	
A7. Building Diagram Number: <u>9</u>	
A8. For a building with a crawlspace or enclosure(s): a) Square footage of crawlspace or enclosure(s): <u>1,132.00</u> sq. ft. b) Is there at least one permanent flood opening on two different sides of each enclosed area? ☐ Yes ☒ No ☐ 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>0.00</u> sq. in. e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): <u>0.00</u> sq. ft. f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): <u>0.00</u> sq. ft.	
A9. For a building with an attached garage: a) Square footage of attached garage: <u>547.80</u> sq. ft. b) Is there at least one permanent flood opening on two different sides of the attached garage? ☐ Yes ☒ No ☐ 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>0.00</u> sq. in. e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): <u>0.00</u> sq. ft. f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): <u>0.00</u> sq. ft.	
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION	
B1.a. NFIP Community Name: <u>RIO GRANDE COUNTY</u>	B1.b. NFIP Community Identification Number: <u>080153</u>
B2. County Name: <u>RIO GRANDE</u>	B3. State: <u>CO</u> B4. Map/Panel No.: <u>0070</u> B5. Suffix: <u>C</u>
B6. FIRM Index Date: <u>—</u>	B7. FIRM Panel Effective/Revised Date: <u>09/02/2011</u>
B8. Flood Zone(s): <u>AE</u>	B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): <u>8227.5'</u>
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: ☐ FIS ☒ FIRM ☐ Community Determined ☐ Other: _____	
B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: _____	
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No Designation Date: _____ ☐ CBRS ☐ OPA	
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? ☐ Yes ☒ No	

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Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 149 ESCONDIDA DRIVE	FOR INSURANCE COMPANY USE
City: SOUTH FORK State: CO ZIP Code: 81154	Policy Number: _____
	Company NAIC Number: _____

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-See attached solution** Vertical Datum: **NAVD88**

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): | <u>8,228.60</u> | ☒ feet ☐ meters |
| b) Top of the next higher floor (see Instructions): | <u>8,232.40</u> | ☒ feet ☐ meters |
| c) Bottom of the lowest horizontal structural member (see Instructions): | <u>0.00</u> | ☐ feet ☐ meters |
| d) Attached garage (top of slab): | <u>8,230.90</u> | ☒ 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): | <u>8,231.20</u> | ☒ feet ☐ meters |
| f) Lowest Adjacent Grade (LAG) next to building: ☐ Natural ☒ Finished | <u>8,229.20</u> | ☒ feet ☐ meters |
| g) Highest Adjacent Grade (HAG) next to building: ☐ Natural ☒ Finished | <u>8,229.60</u> | ☒ feet ☐ meters |
| h) Finished LAG at lowest elevation of attached deck or stairs, including structural support: | <u>8,227.70</u> | ☒ 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: **TOBY J. CROWTHER** License Number: **PLS 38644**

Title: **PROFESSIONAL LAND SURVEYOR**

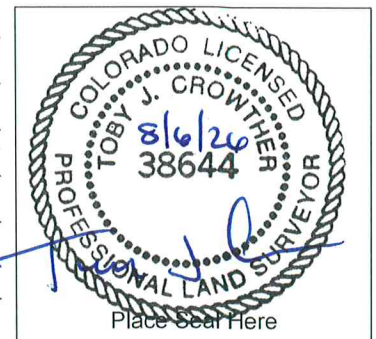
Company Name: **DAVIS ENGINEERING SERVICE, INC.**

Address: **PO BOX 1840**

City: **ALAMOSA** State: **CO** ZIP Code: **81101**

Signature: *Toby J Crowther* Date: 8/6/24

Telephone: (719) 589-3004 Ext.: 112 Email: TOBY@DAVENG.COM



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):
THE LOWEST MACHINERY AND EQUIPMENT IS AN OUTDOOR HEATING AND COOLING MINI SPLIT SYSTEM MOUNTED TO THE WESTERLY WALL.

ELEVATION CERTIFICATE
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19
BUILDING PHOTOGRAPHS
 See Instructions for Item A6.

TJC
8/6/24

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:
 149 ESCONDIDA DRIVE

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.

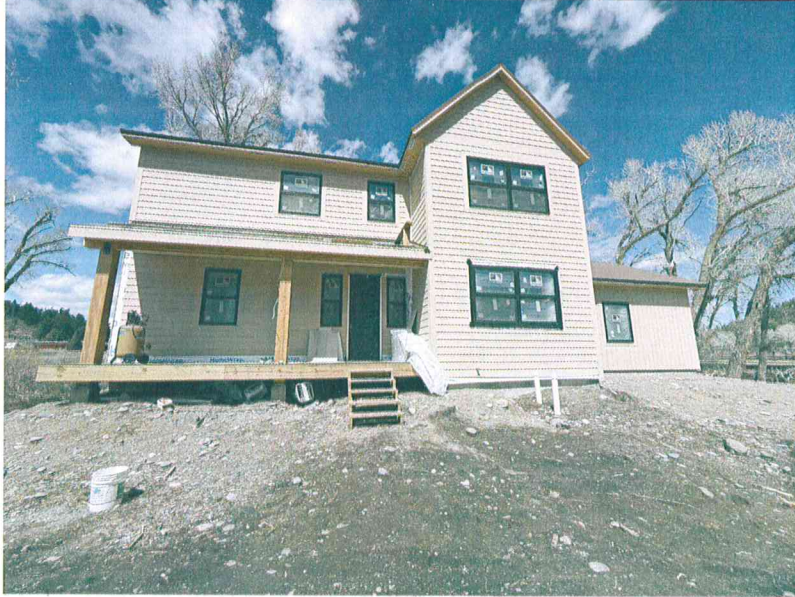


Photo One

Photo One Caption: FRONT 4/2/26

Clear Photo One



Photo Two

Photo Two Caption: FRONT RIGHT 4/2/26

Clear Photo Two

ELEVATION CERTIFICATE
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19
BUILDING PHOTOGRAPHS

Continuation Page

TJC
8/4/26

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:
149 ESCONDIDA DRIVE

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: **BACK 4/2/26**

Clear Photo Three

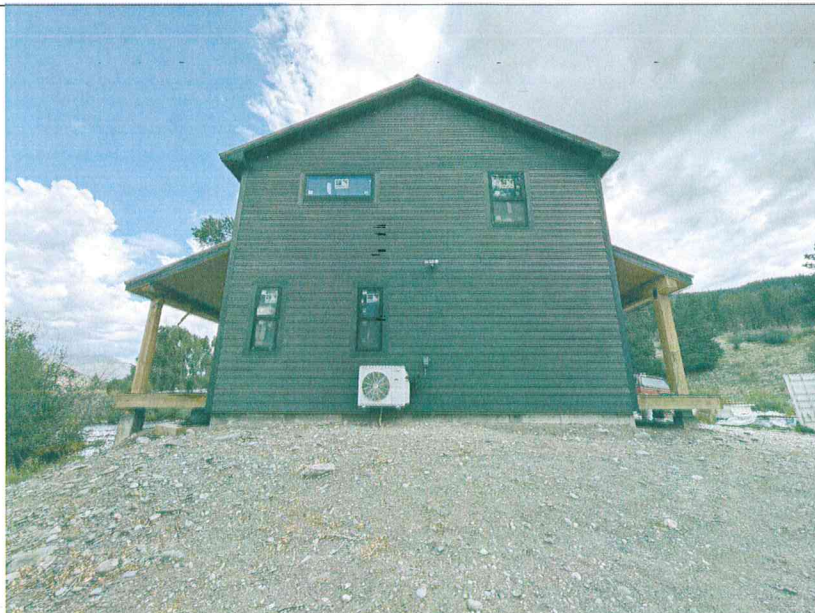


Photo Four

Photo Four Caption: **LEFT WITH LOWEST M&E 7/23/26**

Clear Photo Four

OPUS-RS solution : AP1281_SHAPIRO.24o OP1732734990884

From opus <opus@ngs.noaa.gov>
Date Wed 11/27/2024 12:23 PM
To Toby Crowther <toby@daveng.com>

1 attachment (5 KB)
ap12331t.24o.xml;

FILE: AP1281_SHAPIRO.24o OP1732734990884

6023 ***** WARNING *****
6023 The Quality Indicator for the network solution
6023 is less than 3.0. This is often a warning sign that
6023 the network solution was weak and tropospheric and
6023 ionospheric refraction in the project area were not strongly
6023 determined.
6023 ***** WARNING *****

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: toby@daveng.com DATE: November 27, 2024
RINEX FILE: ap12331t.24o TIME: 19:22:53 UTC

SOFTWARE: rsgps 1.38 RS252.prl 1.99.3 START: 2024/11/26 19:56:55
EPHEMERIS: igu23422.eph [ultra-rapid] STOP: 2024/11/26 21:02:30
NAV FILE: brdc3310.24n OBS USED: 4386 / 4572 : 96%
ANT NAME: TRMR12I NONE QUALITY IND. 0.63/ 2.13
ARP HEIGHT: 1.7 NORMALIZED RMS: 0.650

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2024.90397)

X:	-1448922.803(m)	0.060(m)	-1448923.774(m)	0.060(m)
Y:	-4845525.291(m)	0.060(m)	-4845523.952(m)	0.060(m)
Z:	3877200.257(m)	0.038(m)	3877200.092(m)	0.038(m)

LAT:	37 39 37.60632	0.015(m)	37 39 37.62198	0.015(m)
E LON:	253 21 7.67941	0.041(m)	253 21 7.62584	0.041(m)

W LON: 106 38 52.32059 0.041(m) 106 38 52.37416 0.041(m)
EL HGT: 2493.638(m) 0.082(m) 2492.742(m) 0.082(m)
ORTHO HGT: 2509.495(m) 0.084(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

	UTM (Zone 13)	SPC (0503 CO S)
Northing (Y) [meters]	4169419.154	415716.084
Easting (X) [meters]	354652.028	813126.388
Convergence [degrees]	-1.00699167	-0.70407500
Point Scale	0.99986022	0.99994997
Combined Factor	0.99946913	0.99955884

US NATIONAL GRID DESIGNATOR: 13SCB5465269419(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ3905	RG23 RG23SANDNPCO2006	CORS GRP	N374437.922 W1052954.609	101819.6
DK7755	P123 TRESPIEDRANM2006	CORS GRP	N363806.598 W1055439.006	131327.3
DL3642	MC09 NUCLA	CORS ARP	N381435.614 W1083329.283	179974.5
DH5818	P028 CHACOCNHP_NM2005	CORS GRP	N360154.048 W1075430.227	212923.4
DL6159	SE01 CARBONDALE	CORS ARP	N392401.241 W1071243.517	199367.6
DQ3887	LANM LOS ALAMOS COUNTY	CORS ARP	N355258.264 W1061814.362	199705.9

NEAREST NGS PUBLISHED CONTROL POINT

DQ6046	GSVS 108	N373946.711 W1063850.623	283.8
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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.