

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
 Expires March 31, 2012

Important: Read the instructions on pages 1-9.

## SECTION A - PROPERTY INFORMATION

<b>A1. Building Owner's Name</b> (Jeffery McGowan-buyer)Laverne Nelson-owner	<b>For Insurance Company Use:</b>
<b>A2. Building Street Address</b> (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5505 Hill n Dale Drive	Policy Number
City Farmington State NM ZIP Code 87412	Company NAIC Number
<b>A3. Property Description</b> (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) 7 T Hogan Addition, Lot 6 and 7, except the East 109.98' of Lot 6	
<b>A4. Building Use</b> (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>residential</u>	
<b>A5. Latitude/Longitude:</b> Lat. <u>36 46 40.96150 N</u> Long. <u>108 8 36.98187 W</u>	Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983
<b>A6. Attach at least 2 photographs</b> of the building if the Certificate is being used to obtain flood insurance.	
<b>A7. Building Diagram Number</b> <u>3</u>	
<b>A8. For a building with a crawlspace or enclosure(s):</b>	<b>A9. For a building with an attached garage:</b>
a) Square footage of crawlspace or enclosure(s) <u>n/a</u> sq ft	a) Square footage of attached garage <u>672</u> sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____	b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>n/a</u>
c) Total net area of flood openings in A8.b _____ sq in	c) Total net area of flood openings in A9.b _____ sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No	d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No

## SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

<b>B1. NFIP Community Name &amp; Community Number</b> San Juan County and Incorporated Areas, 35067		<b>B2. County Name</b> San Juan		<b>B3. State</b> New Mexico	
<b>B4. Map/Panel Number</b> 0695	<b>B5. Suffix</b> f	<b>B6. FIRM Index Date</b> 8/2010	<b>B7. FIRM Panel Effective/Revised Date</b>	<b>B8. Flood Zone(s)</b> AE	<b>B9. Base Flood Elevation(s) (Zone AO, use base flood depth)</b> 5563.3
<b>B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.</b> <input checked="" type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____					
<b>B11. Indicate elevation datum used for BFE in Item B9:</b> <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
<b>B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> 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-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.

Benchmark Utilized OPUS Vertical Datum NAVD1983  
 Conversion/Comments \_\_\_\_\_

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) <u>5563.6</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor <u>5571.6</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) <u>N/A</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab) <u>5563.2</u>	<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) <u>5566.3</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) <u>5563.2</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) <u>5570.1</u>	<input checked="" type="checkbox"/> feet <input 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 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. Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

Certifier's Name <u>Scott Andrae</u>	License Number <u>NM9625</u>
Title <u>Owner</u>	Company Name <u>Intermountain Mapping Services, LLC</u>
Address <u>1875 Highway 170</u>	City <u>La Plata</u> State <u>NM</u> ZIP Code <u>87418</u>
Signature _____	Date _____ Telephone <u>505-325-5244</u>



<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. 5505 Hill n Dale Drive	Policy Number
City FarmingtonState NM ZIP Code 87412	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 Latitude and Longiude are for the Southeast corner of the structure.

Signature	Date	<input type="checkbox"/> Check here if attachments
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**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
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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 \_\_\_\_\_
- 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

# 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. 5505 Hill n Dale Drive	For Insurance Company Use: Policy Number
City Farmington State NM ZIP Code 87412	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 of structure, looking West.



# Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5505 Hill n Dale	For Insurance Company Use: Policy Number
City Farmington State NM ZIP Code 87418	Company NAIC Number
If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View."	

Side of structure looking North



Scott W Andrae <[scottandrae@wildblue.net](mailto:scottandrae@wildblue.net)>

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**OPUS-RS solution : 59353330.DAT 000357125**

1 message

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**opus <[opus@ngs.noaa.gov](mailto:opus@ngs.noaa.gov)>****Wed, Nov 30, 2011 at 8:51 AM**Reply-To: [ngs.opus@noaa.gov](mailto:ngs.opus@noaa.gov)To: [scottandrae@wildblue.net](mailto:scottandrae@wildblue.net)

FILE: 59353330.DAT 000357125

2005 NOTE: The IGS precise and IGS rapid orbits were not available  
2005 at processing time. The IGS ultra-rapid orbit was/will be used to  
2005 process the data.

2005

1027 WARNING! You have selected an antenna/dome combination for  
1027 which NGS does not have calibration information. However, OPUS  
1027 was able to find calibration information for your antenna  
1027 with a different dome (or no dome). This antenna calibration  
1027 information will be used.

1027

6030 \*\*\*\*\* WARNING \*\*\*\*\*

6030 One or both of the standard deviations associated with  
6030 horizontal coordinates is greater than 5 cm, and/or the  
6030 standard deviation associated with the vertical coordinate  
6030 is greater than 10 cm. This means that the vectors used to  
6030 determine your position did not agree as well as expected.  
6030 Often this is the result of problems with the adopted coordinates  
6030 at one or more of the reference stations selected by OPUS-RS.  
6030 If a problem reference station can be identified, it can  
6030 be excluded with the Exclude feature on the OPUS Options  
6030 page.

6030

**NGS OPUS-RS SOLUTION REPORT**

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

USER: [scottandrae@wildblue.net](mailto:scottandrae@wildblue.net)

DATE: November 30, 2011

RINEX FILE: 5935333r.11o

TIME: 15:51:34 UTC

SOFTWARE: rsgps 1.35.1 RS1.prl 1.71            START: 2011/11/29 17:27:40  
 EPHEMERIS: igu16642.eph [ultra-rapid]        STOP: 2011/11/29 17:57:15  
 NAV FILE: brdc3330.11n                        OBS USED: 2247 / 2247 : 100%  
 ANT NAME: TRM5800        NONE                QUALITY IND. 6.36/ 27.07  
 ARP HEIGHT: 2.072                            NORMALIZED RMS:        0.299

REF FRAME: NAD\_83(CORS96)(EPOCH:2002.0000)        ITRF00 (EPOCH:2011.91161)

X: -1593158.430(m) 0.029(m)        -1593159.196(m) 0.029(m)  
 Y: -4861741.297(m) 0.075(m)        -4861739.965(m) 0.075(m)  
 Z: 3798695.372(m) 0.060(m)        3798695.248(m) 0.060(m)

LAT: 36 46 40.96150 0.003(m)        36 46 40.97822 0.003(m)  
 E LON: 251 51 23.01813 0.008(m)        251 51 22.97206 0.008(m)  
 W LON: 108 8 36.98187 0.008(m)        108 8 37.02794 0.008(m)  
 EL HGT: 1674.486(m) 0.100(m)        1673.589(m) 0.100(m)  
 ORTHO HGT: 1695.553(m) 0.102(m) [NAVD88 (Computed using GEOID09)]

## UTM COORDINATES    STATE PLANE COORDINATES

	UTM (Zone 12)	SPC (3003 NM W)
Northing (Y) [meters]	4074056.847	640896.544
Easting (X) [meters]	754917.667	802304.306
Convergence [degrees]	1.71109198	-0.18576666
Point Scale	1.00040065	0.99992611
Combined Factor	1.00013783	0.99966341

US NATIONAL GRID DESIGNATOR: 12SYF5491774056(NAD 83)

## BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DH5816	P028 CHACOCNHP_NM2005	CORS ARP	N360154.048 W1075430.227	85490.5
DI2245	P011 SPIDERROCKAZ2005	CORS ARP	N360859.363 W1093109.175	141674.9
DI0438	NMGR GRANTS NMDOT	CORS ARP	N351259.649 W1075548.368	174371.3
DI3419	P012 MONTICELLOUT2006	CORS ARP	N380550.740 W1092001.762	180420.7
DI2266	P107 GRANTS____NM2006	CORS ARP	N350755.832 W1075248.029	184211.1
DK7753	P123 TRESPIEDRANM2006	CORS ARP	N363806.598 W1055439.006	200185.3
DF4369	NMSF SANTA FE	CORS ARP	N354025.623 W1055730.931	231573.4

NEAREST NGS PUBLISHED CONTROL POINT

GO0227 M 431 N364603. W1080847. 1199.8

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.

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