

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

## SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name Fred and Jene Klatt		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. 16933A Highway 550		Company NAIC Number
City Aztec State NM ZIP Code 87410		

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)  
Book 1531/ Page 901 as recorded in the office of the San Juan County Clerk

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

A5. Latitude/Longitude: Lat. 36 55 52.47088N Long. 107 53 52.47717 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 9

A8. For a building with a crawlspace or enclosure(s):

a) Square footage of crawlspace or enclosure(s) 2108 sq ft

b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 12

c) Total net area of flood openings in A8.b 180 sq in

d) Engineered flood openings?  Yes  No

A9. For a building with an attached garage:

a) Square footage of attached garage n/a sq ft

b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade \_\_\_\_\_

c) Total net area of flood openings in A9.b \_\_\_\_\_ sq in

d) Engineered flood openings?  Yes  No

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

B1. NFIP Community Name & Community Number San Juan County, NM and Incorporated areas, 320064		B2. County Name San Juan	B3. State New Mexico		
B4. Map/Panel Number 0395	B5. Suffix F	B6. FIRM Index Date 8/10	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s) A	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) n/a

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-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.  
Benchmark Utilized OPUS Vertical Datum NAVD1988  
Conversion/Comments \_\_\_\_\_

Check the measurement used.

- a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5815.96  feet  meters (Puerto Rico only)
- b) Top of the next higher floor 5818.96  feet  meters (Puerto Rico only)
- c) Bottom of the lowest horizontal structural member (V Zones only) n/a.  feet  meters (Puerto Rico only)
- d) Attached garage (top of slab) n/a.  feet  meters (Puerto Rico only)
- e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) n/a.  feet  meters (Puerto Rico only)
- f) Lowest adjacent (finished) grade next to building (LAG) 5817.21  feet  meters (Puerto Rico only)
- g) Highest adjacent (finished) grade next to building (HAG) 5817.35  feet  meters (Puerto Rico only)
- h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support 5817.21  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. Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

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



<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. 16933A Highway 550	Policy Number
City AztecState NM ZIP Code 87410	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 Same benchmark use for 16933 and16933A,therefore the Latitude and Longitude are the same.

Signature	Date	<input checked="" 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 HAG.
- 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. 16933 A Highway 550	For Insurance Company Use: Policy Number
City Aztec State NM ZIP Code 87410	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 Northwest





# Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 16933A Highway 550	For Insurance Company Use: Policy Number
City Aztec State NM ZIP Code 87410	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."

Back of structure looking Southwest









Scott W Andrae &lt;scottandrae@wildblue.net&gt;

## OPUS-RS solution : 59350320.DAT OP1328138923548

1 message

opus &lt;opus@ngs.noaa.gov&gt;

Wed, Feb 1, 2012 at 4:43 PM

Reply-To: ngs.opus@noaa.gov

To: scottandrae@wildblue.net

FILE: 59350320.DAT OP1328138923548

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

### 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: February 01, 2012

RINEX FILE: 5935032u.12o

TIME: 23:43:25 UTC

SOFTWARE: rsgps 1.37 RS80.prl 1.72            START: 2012/02/01 20:06:35  
 EPHEMERIS: igu16733.eph [ultra-rapid]       STOP: 2012/02/01 20:48:50  
 NAV FILE: brdc0320.12n                    OBS USED: 5643 / 5751 : 98%  
 ANT NAME: TRM5800        NONE            QUALITY IND. 3.76/ 29.77  
 ARP HEIGHT: 2.072                        NORMALIZED RMS:     0.297

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

ITRF00 (EPOCH:2012.08703)

X:	-1569180.305(m)	0.010(m)	-1569181.074(m)	0.010(m)
Y:	-4858881.619(m)	0.026(m)	-4858880.287(m)	0.026(m)
Z:	3812349.358(m)	0.025(m)	3812349.234(m)	0.025(m)

LAT:	36 55 52.47088	0.007(m)	36 55 52.48776	0.007(m)
E LON:	252 6 7.52283	0.005(m)	252 6 7.47673	0.005(m)

W LON: 107 53 52.47717 0.005(m) 107 53 52.52327 0.005(m)  
 EL HGT: 1752.487(m) 0.037(m) 1751.589(m) 0.037(m)  
 ORTHO HGT: 1772.962(m) 0.040(m) [NAVD88 (Computed using GEOID09)]

#### UTM COORDINATES STATE PLANE COORDINATES

	UTM (Zone 13)	SPC (3003 NM W)
Northing (Y) [meters]	4091168.741	657853.207
Easting (X) [meters]	241892.493	824247.201
Convergence [degrees]	-1.74218880	-0.03880150
Point Scale	1.00042079	0.99991707
Combined Factor	1.00014572	0.99964215

US NATIONAL GRID DESIGNATOR: 13SBA4189291168(NAD 83)

#### BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DL3642	MC09 NUCLA CORS ARP	N381435.613	W1083329.283	156895.7
DI2245	P011 SPIDERROCKAZ2005 CORS ARP	N360859.363	W1093109.175	169140.9
DI0438	NMGR GRANTS NMDOT CORS ARP	N351259.649	W1075548.368	190332.4
DL3478	R301 CRAWFORD CORS ARP	N383923.739	W1073527.367	193450.4
DH6916	MC04 MESA CNTY 04 COOP CORS ARP	N384102.974	W1085825.824	216444.1
DF4369	NMSF SANTA FE CORS ARP	N354025.623	W1055730.931	223228.9
DH6912	MC02 MESA CNTY 02 COOP CORS ARP	N390052.897	W1082924.112	237080.0
DE6238	MC01 MESA CNTY COOP CORS ARP	N390528.391	W1083141.270	246100.2
DE6386	ZAB1 ALBUQUERQUE 1 CORS ARP	N351024.854	W1063402.413	228975.4

#### NEAREST NGS PUBLISHED CONTROL POINT

GN0388	Z 430	N365210.923	W1075655.059	8204.6
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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.

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