

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION

FOR INSURANCE COMPANY USE

A1. Building Owner's Name Robert P. and Tracey Sandoval	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 33 Road 50106 City Bloomfield State NM ZIP Code 87413	Company NAIC Number:
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Parcel # 2065169070337	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>	
A5. Latitude/Longitude: Lat. <u>36 41 54.32</u> Long. <u>108 00 30.88</u>	Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> 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 <u>9</u>	
A8. For a building with a crawlspace or enclosure(s): a) Square footage of crawlspace or enclosure(s) <u>2240</u> sq ft b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>17</u> c) Total net area of flood openings in A8.b <u>2040</u> sq in d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	A9. For a building with an attached garage: a) Square footage of attached garage <u>NA</u> sq ft b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>NA</u> c) Total net area of flood openings in A9.b <u>NA</u> sq in d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number SAN JUAN COUNTY / 350064	B2. County Name SAN JUAN	B3. State NEW MEXICO			
B4. Map/Panel Number 35045C / 1035	B5. Suffix F	B6. FIRM Index Date 08/05/2010	B7. FIRM Panel Effective/Revised Date 08/05/2010	B8. Flood Zone(s) A	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 5403.00
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input checked="" type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
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					

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. In Puerto Rico only, enter meters.
 Benchmark Utilized: GPS OPUS Vertical Datum: NAVD88
 Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 NAVD 1988 Other/Source: _____
 Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<u>5401.25</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor	<u>5405.05</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>NA</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>NA</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	<u>NA</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>5400.18</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>5402.63</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	_____	<input type="checkbox"/> feet <input type="checkbox"/> meters

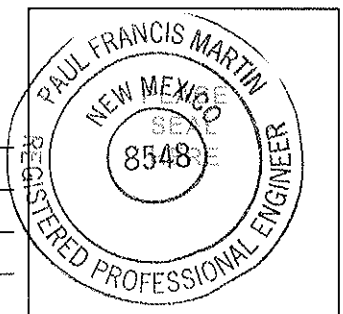
SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by 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

Check here if attachments.

Certifier's Name Paul F. Martin	License Number 8548
Title Licensed Engineer	Company Name Sakura Engineering and Surveying
Address 125 W. Main, Suite A	City Farmington State NM ZIP Code 87401
Signature <i>Paul F. Martin</i> Date <u>4/9/14</u>	Telephone 505-564-2139



ELEVATION CERTIFICATE, page 2

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. 33 Road 50106		Policy Number:
City Bloomfield	State NM ZIP Code 87413	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 THE SUBJECT PROPERTY IS C/O JAMES AND SHIRLEY CRAWLEY. THE BASE FLOOD ELEVATION WAS DETERMINED BY PROJECTING 500.00 FEET UP STREAM FROM THE (F.I.S. PROFILE) END OF STUDY POINT (BU) SAN JUAN RIVER. ELEVATIONS WERE DETERMINED BY GPS STATIC SHOT WITH N.G.S. / OPUS SOLUTION.

Paul F. Martin
Signature

4/9/14
Date

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)

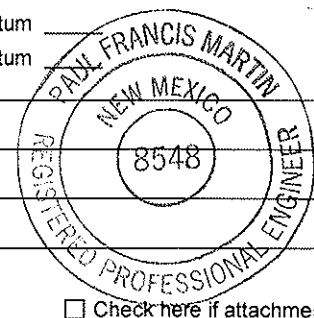
The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- 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–G10) 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 Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date
Comments	



Check here if attachments.

Building Photographs

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 33 Road 50106		
City Bloomfield	State NM	ZIP Code 87413

FOR INSURANCE COMPANY USE
Policy Number:
Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 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." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

FRONT



RIGHT



Building Photographs

Continuation Page

IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
33 Road 50106

City Bloomfield

State NM

ZIP Code 87413

FOR INSURANCE COMPANY USE

Policy Number:

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." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

REAR



LEFT



Subject: OPUS solution : 7388_0218_112357.m00 OP1392827430661

From: opus <opus@ngs.noaa.gov>

Date: 2/19/2014 9:31 AM

To: tojoe@sakuraeng.com

FILE: 7388_0218_112357.m00 OP1392827430661

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 SOLUTION REPORT
=====

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: <http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: tojoe@sakuraeng.com DATE: February 19, 2014
RINEX FILE: 7388049s.14o TIME: 16:31:18 UTC

SOFTWARE: page5 1209.04 master53.pl 072313 START: 2014/02/18 18:24:00
EPHEMERIS: igu17802.eph [ultra-rapid] STOP: 2014/02/18 22:48:30
NAV FILE: brdc0490.14n OBS USED: 10222 / 10449 : 98%
ANT NAME: LEIGS15 NONE # FIXED AMB: 38 / 38 : 100%
ARP HEIGHT: 1.490 OVERALL RMS: 0.011(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2014.1338)

X: -1583418.364(m) 0.003(m) -1583419.176(m) 0.003(m)
Y: -4869389.418(m) 0.008(m) -4869388.078(m) 0.008(m)
Z: 3793076.347(m) 0.005(m) 3793076.233(m) 0.005(m)

LAT: 36 42 52.51395 0.004(m) 36 42 52.53082 0.004(m)
E LON: 251 59 11.81039 0.002(m) 251 59 11.76259 0.002(m)
W LON: 108 0 48.18961 0.002(m) 108 0 48.23741 0.002(m)
EL HGT: 1716.679(m) 0.010(m) 1715.791(m) 0.010(m)
ORTHO HGT: 1737.767(m) 0.023(m) [NAVD88 (Computed using GEOID12A)]

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 13)	SPC (3003 NM W)
Northing (Y) [meters]	4067444.970	633825.263
Easting (X) [meters]	230846.266	813914.840
Convergence [degrees]	-1.80257214	-0.10764098
Point Scale	1.00049260	0.99991985
Combined Factor	1.00022313	0.99965053

US NATIONAL GRID DESIGNATOR: 13SBA3084667444(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DI2266	P107 GRANTS_____NM2006 CORS ARP	N350755.832	W1075248.029	176038.6
DI2245	P011 SPIDERROCKAZ2005 CORS ARP	N360859.363	W1093109.175	148895.6

DH5816 P028 CHACOCNHP_NM2005 CORS ARP N360154.048 W1075430.227 76384.6

NEAREST NGS PUBLISHED CONTROL POINT

GN0359 358 N364237. W1075949. 1543.7

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.

SAKURA ENG

STATIC / OPUS

19 February 2014

INPUT

Geographic, NAD83
Vertical - NAVD88, Meters

OUTPUT

State Plane, NAD83
3003 - New Mexico West, U.S. Feet
Vertical - NAVD88, U.S. Feet

CNTRL PNT REBAR

1/1

Latitude: 36 42 52.51395	Northing/Y: 2079475.050
Longitude: 108 00 48.18961	Easting/X: 2670318.939
Elevation/Z: 1737.767	Elevation/Z: 5701.324
	Convergence: -0 06 27.50754
	Scale Factor: 0.999919853
	Combined Factor: 0.999650538

Remark: