

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 DANA C & JANET K HOWE		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 16758 W Willow Ave <u>PO 344</u>		Company NAIC Number:
City Yarnell	State AZ	ZIP Code 85362

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
 203-09-086C, Yarnell Heights, Division Six, Lots 27 & 28

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential
 A5. Latitude/Longitude: Lat. 34°13'22.1"N Long. -112°44'59.4"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) 1,008 sq ft
 b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 6
 c) Total net area of flood openings in A8.b 495 sq in
 d) Engineered flood openings? Yes No
 A9. For a building with an attached garage:
 a) Square footage of attached garage 0 sq ft
 b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 0
 c) Total net area of flood openings in A9.b 0 sq in
 d) Engineered flood openings? Yes No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number Yavapai County 040093		B2. County Name Yavapai County, unincorporated area	B3. State AZ
B4. Map/Panel Number 04025C 3105	B5. Suffix g	B6. FIRM Index Date 09/03/2010	B7. FIRM Panel Effective/Revised Date 09/03/2010
B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 4754.8		

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/Source: Miller Creek & Tributaries
 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

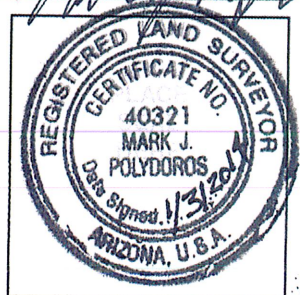
SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

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: See attached OPUS report 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>4752.33</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
b) Top of the next higher floor	<u>4755.01</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>N/A</u>	<input checked="" 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>4755.29</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>4753.08</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>4753.74</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>4753.00</u>	<input checked="" 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. OPUS Report & photos



Certifier's Name Mark J. Polydoros	License Number AZ 40321
Title Owner	Company Name Meridian Land Surveyors LLC
Address P.O. Box 546	City Dewey State AZ ZIP Code 86327
Signature <i>[Signature]</i>	Date 01/03/2014 Telephone 928-772-8390

Expires 3/31/2016

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. 16758 W Willow Ave		Policy Number:
City Yarnell	State AZ ZIP Code 85362	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 An underground concrete stormdrain channel runs under a detached garage, through the property North-South from Willow Ave. to Miller Creek at the northerly end of the property. The elevation of C2.e was taken at the bottom of an electrical panel. The LAG was taken at the northeasterly corner of the building. The HAG was taken at the westerly end of the building. All building elevations were shot with a spirit level and are on the NAVD88 datum.

Signature

Date 01/03/2014

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 For Insurance Purposes

Check here if attachments.

Building Photographs

See Instructions for Item A6.

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

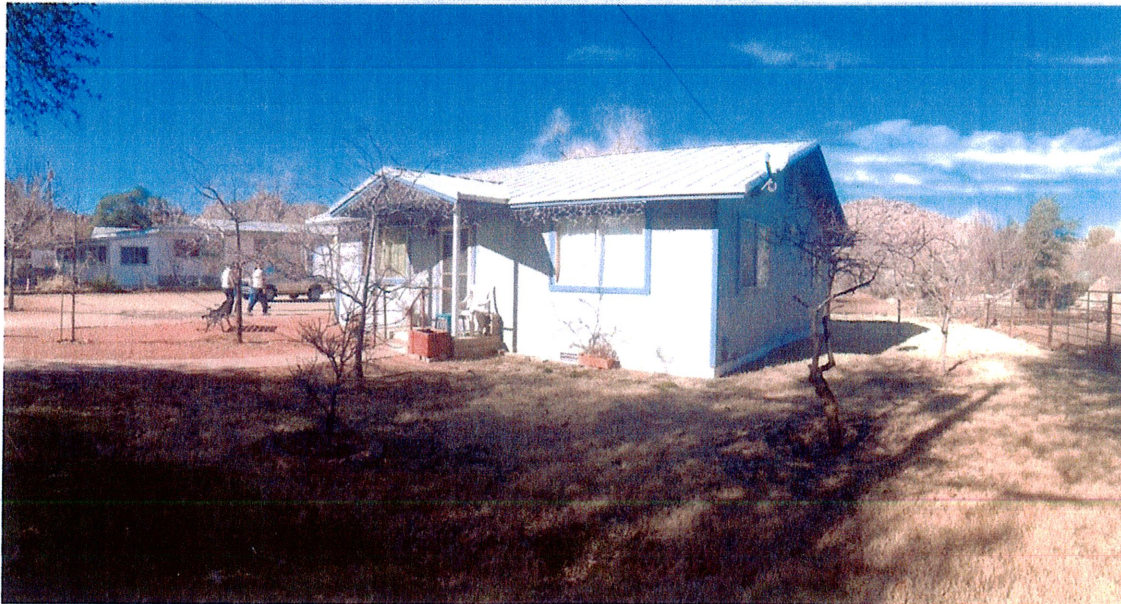
FOR INSURANCE COMPANY USE	
Policy Number:	
Company NAIC Number:	

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 16758 W Willow Ave		
City Yarnell	State AZ	ZIP Code 85362

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.



Left Side View



Right Side View

Building Photographs

Continuation Page

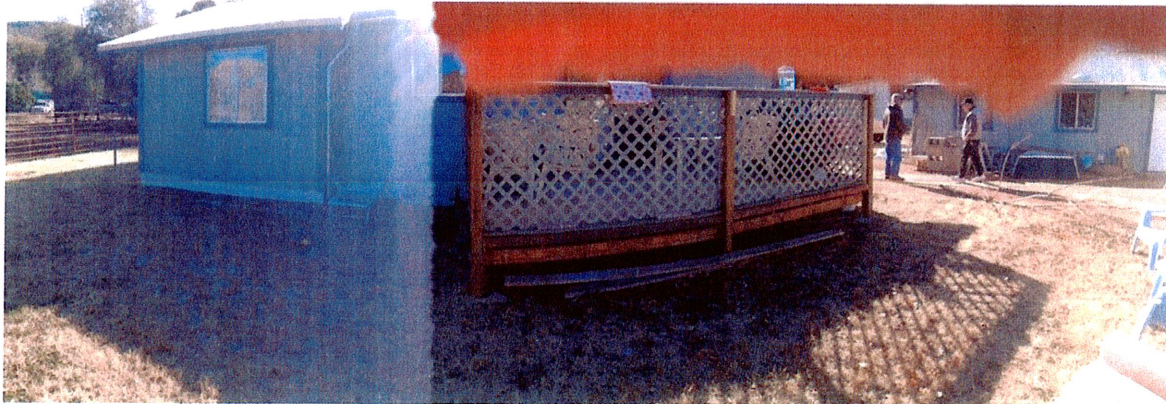
IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 16758 W Willow Ave			FOR INSURANCE COMPANY USE
City Yarnell			Policy Number:
State AZ	ZIP Code 85362	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.



Front View



Rear View

opus <opus@ngs.noaa.gov>
To: mark@meridianlandsurveyors.com
Reply-To: ngs.opus@noaa.gov
OPUS solution : 17813120.DAT OP1384075781942

November 10, 2013 9:30 AM

FILE: 17813120.DAT OP1384075781942

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

USER: mark@meridianlandsurveyors.com DATE: November 10, 2013
RINEX FILE: 1781312r.13o TIME: 16:30:25 UTC

SOFTWARE: page5 1209.04 master91.pl 072313 START: 2013/11/08 17:43:00
EPHEMERIS: igr17655.eph [rapid] STOP: 2013/11/08 23:10:00
NAV FILE: brdc3120.13n OBS USED: 12070 / 12956 : 93%
ANT NAME: TRM5800 NONE # FIXED AMB: 78 / 82 : 95%
ARP HEIGHT: 1.825752 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2013.8544)

X:	-2041879.125(m)	0.002(m)	-2041879.928(m)	0.002(m)
Y:	-4869743.007(m)	0.013(m)	-4869741.662(m)	0.013(m)
Z:	3567813.819(m)	0.009(m)	3567813.700(m)	0.009(m)

LAT:	34 13 26.29491	0.009(m)	34 13 26.30868	0.009(m)
E LON:	247 15 6.25330	0.005(m)	247 15 6.20406	0.005(m)
W LON:	112 44 53.74670	0.005(m)	112 44 53.79594	0.005(m)
EL HGT:	1418.832(m)	0.013(m)	1417.996(m)	0.013(m)
ORTHO HGT:	1447.033(m)	0.027(m)	[NAVD88 (Computed using GEOID12A)]	

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (0202 AZ C)

Northing (Y) [meters]	3788371.896	357807.931
Easting (X) [meters]	338967.407	136742.040
Convergence [degrees]	-0.98348597	-0.46773694
Point Scale	0.99991966	0.99997234
Combined Factor	0.99969700	0.99974967

US NATIONAL GRID DESIGNATOR: 12SUC3896788371(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DL1898	AZPS PRESCOTT CORS ARP	N343630.818	W1122738.595	50200.1
DN2121	AZPA PEORIA FIREST 195 CORS ARP	N334133.856	W1121640.461	73244.6
DL6308	AZWA MORRISTOWN CORS ARP	N335133.518	W1123944.044	41237.5

NEAREST NGS PUBLISHED CONTROL POINT

ET0962	YARN	N341257.025	W1124406.321	1513.1
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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.