

ELEVATION CERTIFICATE

IMPORTANT: Follow the instructions on pages 1-9.

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

HAZ
8/7/13

13 AUG 5 AM 10:01

SECTION A - PROPERTY INFORMATION

FOR INSURANCE COMPANY USE

A1. Building Owner's Name Jesse Larimer	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5134 N. Puma Rd.	Company NAIC Number:
City Marana	State AZ
	ZIP Code 85653

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Tax Code 208-42-1000 Township 13S Range 10E Section 15

A4. Building Use (e.g., Residential, Non-Residential, Accessory, etc.) **Accessory: Detached Garage**

A5. Latitude/Longitude: Lat. **32.297552** Long. **-111.315655** 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 **1A**

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

- a) Square footage of crawspace or enclosure(s) **750** sq ft
- b) No. of permanent flood openings in the crawspace or enclosure(s) within 1.0 foot above adjacent grade **4**
- c) Total net area of flood openings in A8.b **487** sq in
- d) Engineered flood openings? Yes No

A9. For a building with an attached garage:

- a) Square footage of attached garage **NA** sq ft
- b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade **NA**
- c) Total net area of flood openings in A9.b **NA** sq in
- d) Engineered flood openings? Yes No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number Pima County / 040073		B2. County Name Pima County		B3. State AZ	
B4. Map/Panel Number 04019C 1615	B5. Suffix L	B6. FIRM Index Date 6-16-11	B7. FIRM Panel Effective/ Revised Date 06/16/2011	B8. Flood Zone(s) X	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 100.5

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: _____

B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other/Source: **Highest Adj. Nat. Grade (±100 ft)**

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes No
Designation Date: **N/A** / **N/A** / _____ 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: **Highest Adjacent Nat. Grade** Vertical Datum: **100.0**

Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 NAVD 1988 Other/Source: **HANG = 100.0**
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, crawspace, or enclosure floor) **99.75** feet meters
- b) Top of the next higher floor **NA** feet meters
- c) Bottom of the lowest horizontal structural member (V Zones only) **N/A** feet meters
- d) Attached garage (top of slab) **NA** feet meters
- e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) **NA** feet meters
- f) Lowest adjacent (finished) grade next to building (LAG) **99.50** feet meters
- g) Highest adjacent (finished) grade next to building (HAG) **99.60** feet meters
- h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support **NA** feet meters

When B.9 is a depth above grade, it is required to indicate highest and lowest NATURAL grade in Section C Comments

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 JEFF ANDERSON		License Number 125 21751	
Title OWNER	Company Name (A2) HAND SURVEYS		
Address 205 S. VOZACK LN	City TUCSON	State AZ	ZIP Code 85748
Signature <i>Jeff Anderson</i>	Date 8/5/13	Telephone 520-296-9083	



EXPIRES
3/31/14

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. 5134 N. Puma Rd.			Policy Number:
City Marana	State AZ	ZIP Code 85653	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 lowest service equipment (C3.e) is the NONE and the _____ is/are above this elevation.

Highest adjacent natural grade is 100.2 Lowest adjacent natural grade is 98.9

NO SERVICE EQUIPMENT

Signature [Signature] Date 8/5/13

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 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 or Owner's Authorized Representative's Name N/A

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-G9) is provided for community floodplain management purposes.

G4. Permit Number <u>13-168E</u>	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------------------------	------------------------	---

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 _____

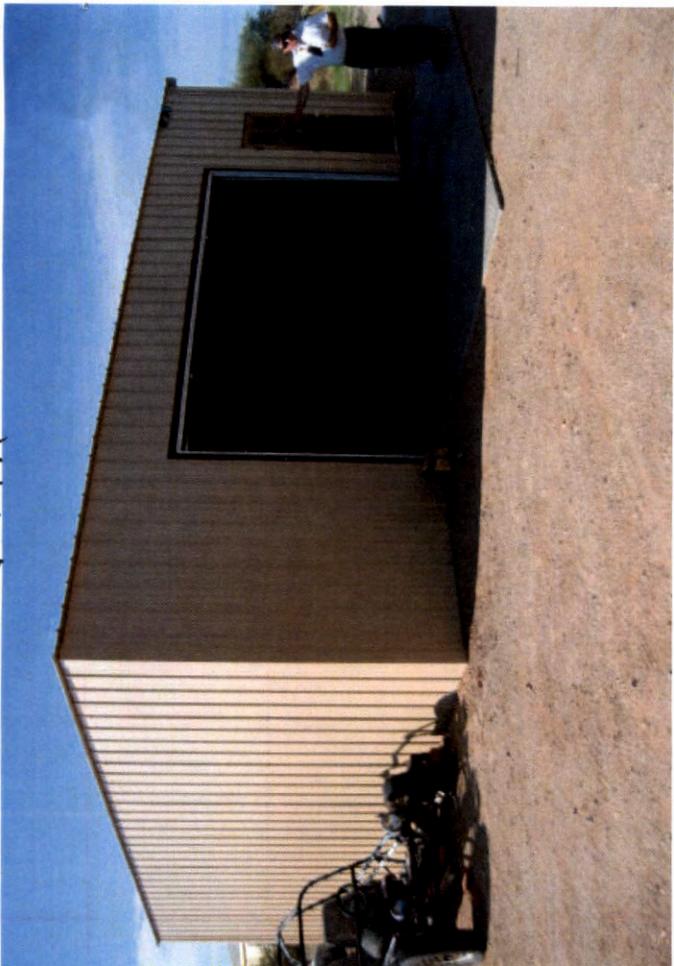
Community Name _____ Telephone _____

Signature _____ Date _____

Comments _____

Check here if attachments.

North



North



8/5/13

WEST



WEST



8/5/13

WEST

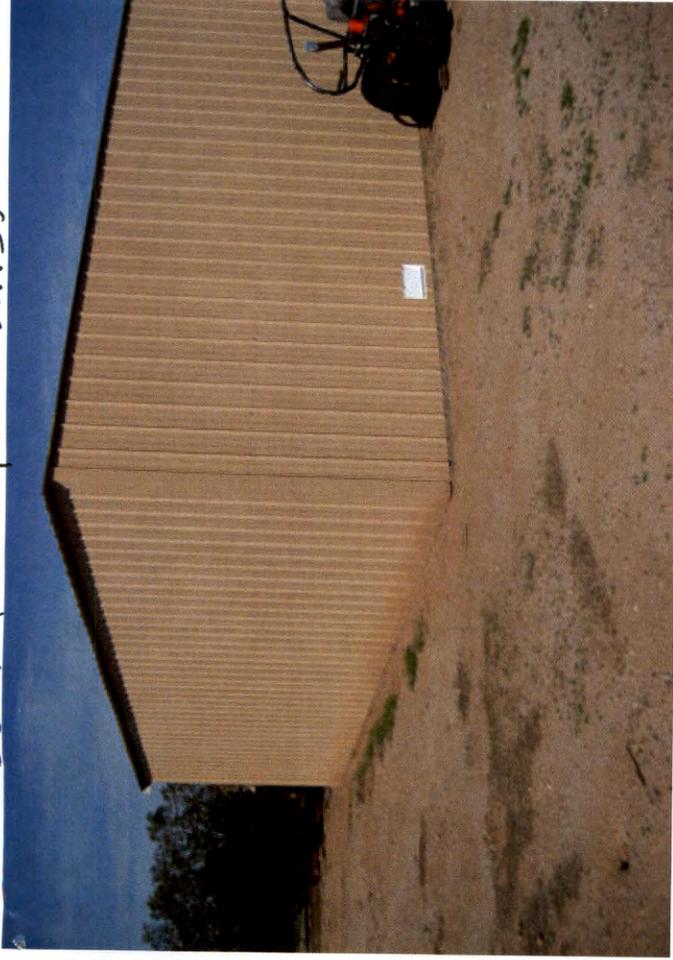


VENT TYPICAL

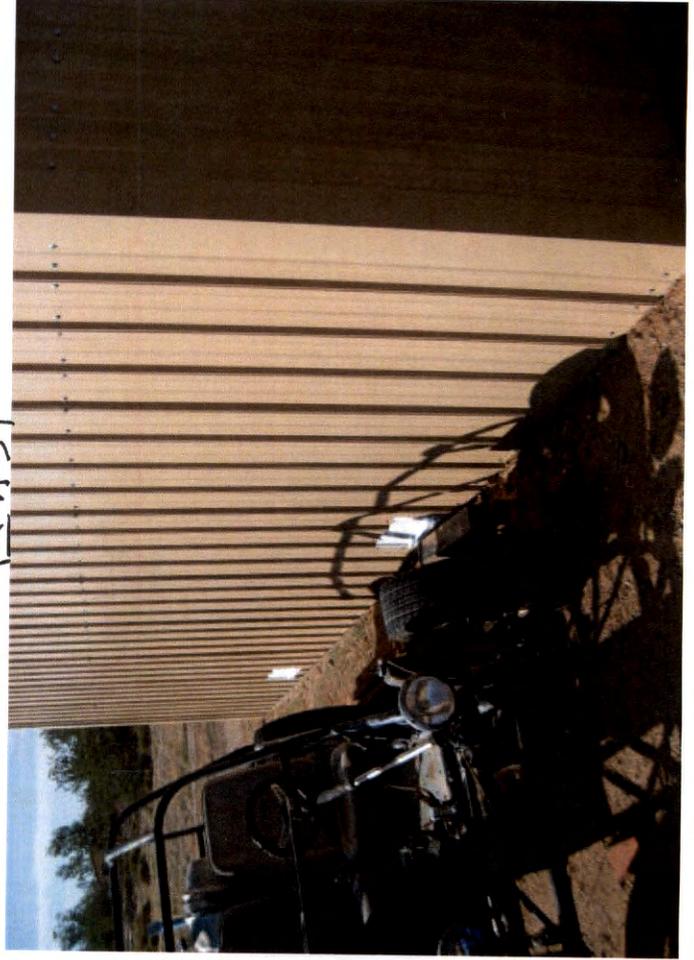


South

EAST

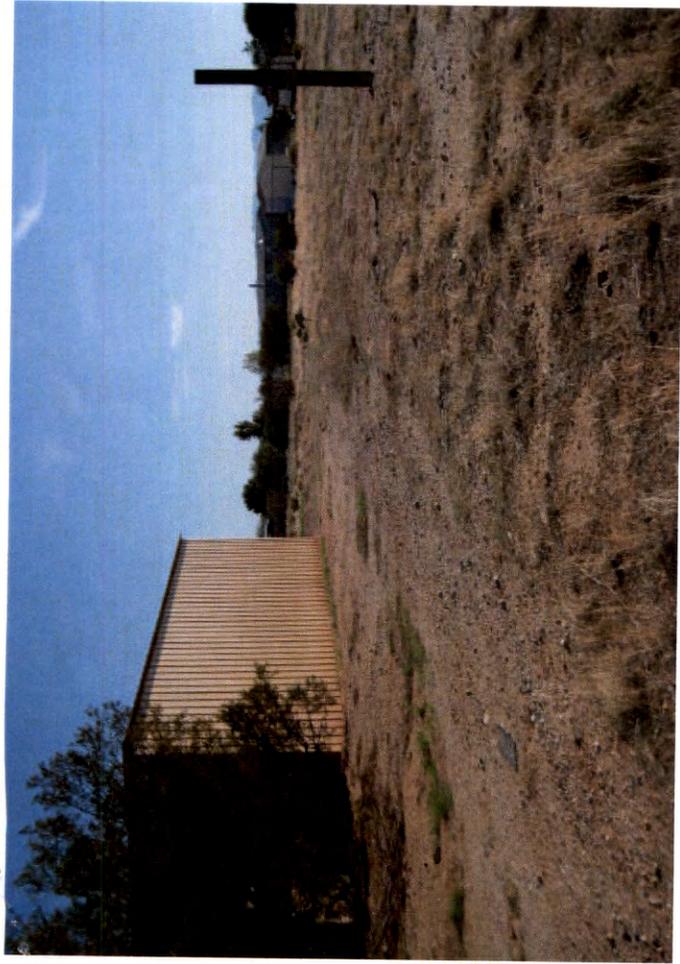


EAST

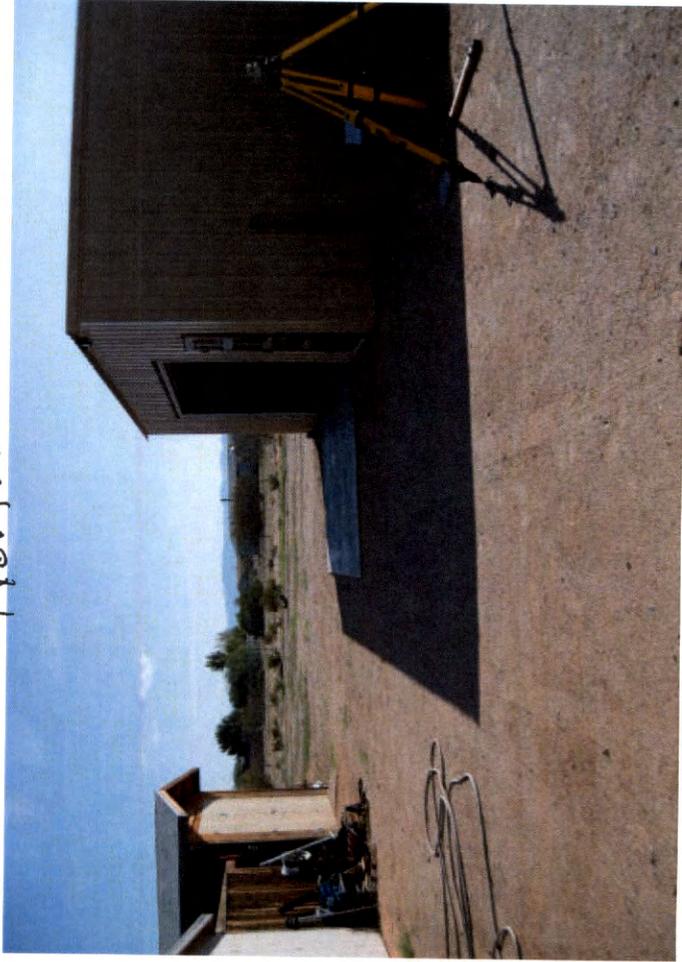


8/13/13

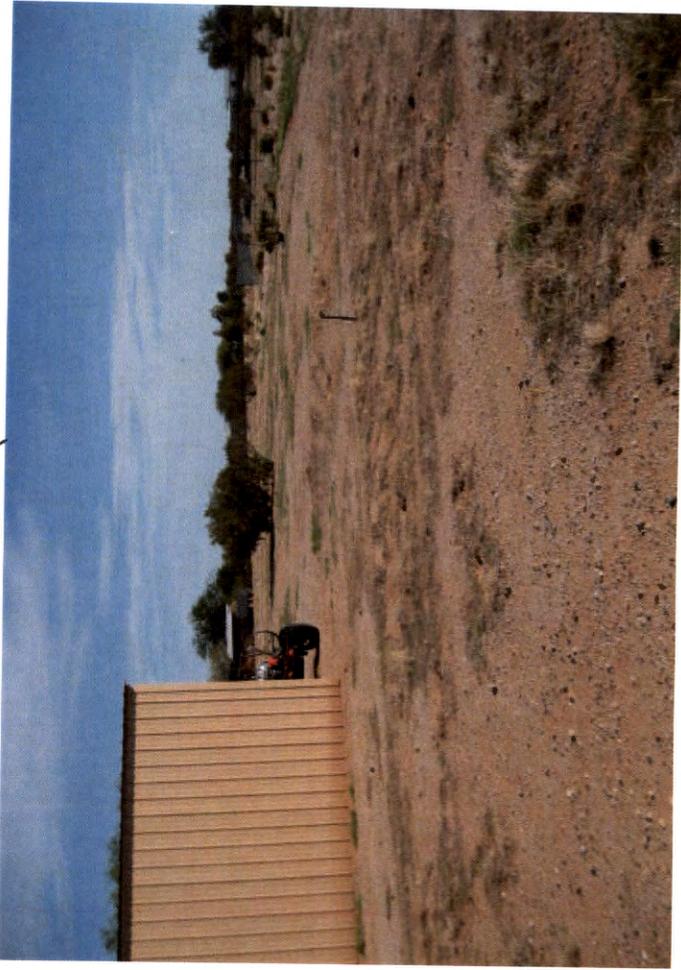
South



North



South



State of Arizona Certificate of Compliance

Thursday, August 08, 2013

Jesse Larimer
5134 N. Puma Road
Marana, AZ 85653

In accordance with Home Land Security – FEMA/NFIP Technical Bulletin 1/August 2008 requirements for engineered openings in foundation walls, USA FLOOD/AIR FOUNDATION FLOOD VENT will allow for the automatic equalization of hydrostatic flood forces and pressure during flooding as well as for base 100 year flood or 1% chance of flooding in NFIP FIRM (Federal Insurance Rate Map) “A” zone properties. Additional information to meet FEMA/NFIP requirements for flood venting can be found in TB-1/August 2008. The International Code Council (ICC) requires a minimum 3” diameter opening to be maintained during flooding to allow passage of debris through a flood vent. USA FLOOD/AIR FOUNDATION FLOOD VENT meets the regulation of Federal Emergency Management Agency’s National Flood Insurance Program (44 CFR 60.3 (c) (5)) and Flood Resistant Design and Construction (ASCE 24-98).

I do by certify the USA FLOOD/AIR FOUNDATION FLOOD VENTS openings are designed for installation in buildings to meet the FEMA, NFIP and ICC code requirements for the equalizing of hydrostatic flood forces on exterior walls by allowing for the automatic entry and exit of floodwater during floods up to and including the base (100 year) flood.

USA FLOOD/AIR VENTS provide hydrostatic pressure equalization during a flood. Each vent will cover 250 square feet of enclosed building area as per FEMA, NFIP or ICC instructions and calculations.

I further certify that the breakaway door releases under less than the required 20 lbs. of hydrostatic pressure.

The vents must be installed with the long dimension horizontal and the installation must be in accordance with the manufacturer’s printed instructions.

Jason M. Conn, P.E.
16360 Trotter Lane
Linden, MI 48451
810-458-4350
AZ License No. 42266

