



## Floodplain Use Permit- Case History

**RECORD: P23FC01067**

**Related Records: P24RM00016**

Building/Floodplain Use Permit

**Case Name:**NHF

**Issue:** 1,440 SF NEW DETACHED PREMANUFACTURED METAL BUILDING GARAGE WITH 576 SF PORCH. No power / plumbing or HVAC. (NHF)

Permitting for multiple accessory structures, flood venting/other modifications certified by Engr. Report by Tom Patterson (Approved by RFCD - 8/1/2024).

12/19/2023 Application Intake - Submitted: Application successfully submitted

Case Reviewer:Melissa Fisher

12/19/2023 Review - Note: EM applicant reorient structure. Elevate to RFE or install flood vents

Case Reviewer:Rodrigo Morales

12/22/2023 Review - Note: Applicant deems re-orient structure unacceptable & proposed new locations. EM supe/Mgmt. if Ok. Wait for response

Case Reviewer:Rodrigo Morales

12/22/2023 Review - Note: EM applicant. Need engineer to have garage not oriented to flow. Email in e file.

Case Reviewer:Rodrigo Morales

1/3/2024 Review - Note: IC sent applicant elevation methods sheet (in e file).

Case Reviewer:Rodrigo Morales

1/12/2024 Review - Request for Corrections: EM to applicant in e file

Case Reviewer:Rodrigo Morales

4/24/2024 Application Intake - Note: ADS requested folder to have Ryan B. work on it. Will assign to RB

Case Reviewer:Rodrigo Morales



8/16/2024 Application Intake - Note: Owner EM for status. Currently in RB's cue for engineering  
Case Reviewer:Rodrigo Morales

9/5/2024 Application Intake - Resubmit: Engineering approved per RB (EM in efile)  
Case Reviewer:Rodrigo Morales

9/13/2024 Review - Approved: D1FC1 uploaded to DSD  
Case Reviewer:Francisco Ramirez

9/17/2024 Issuance - Issued - Documents Required: No Comments  
Case Reviewer:Rodrigo Morales

9/24/2024 Inspection - Note: 9/17/24 WAITING FOR EL CERT / AS-BUILT AND COV (RM)  
Case Reviewer:Deanna Reyes

2/20/2025 Inspection - Documents Received: Dropped off covenants at counter  
Case Reviewer:Rodrigo Morales

3/14/2025 Inspection - Note: As-Built received, reviewed, and approved by RFCD - 3/14/25  
Case Reviewer:Ryan Bente

3/19/2025 Inspection - Note: P2F El-cert returned. Corrections required. Emailed Tom Patterson  
(engineer who completed el-cert) for corrections.  
Case Reviewer:Irene Castillo

4/3/2025 Inspection - Documents Approved: P2F - El-cert reviewed and approved. FFE = -1.0 below  
BFE. Structure = 1440 sqft w/ 2323 sqin of opening. IC  
Case Reviewer:Irene Castillo

4/14/2025 Close Out - Complete: No Comments  
Case Reviewer:Valerie Gonzales



**Case: P24RM00016**

**Opened Date:**06/19/2024

Site/Riparian

**Case Name:**ILF for a BARN

**Issue:** ILF Proposal for a Single Lot Permit

6/19/2024 Application Intake - Submitted: Auto-Submit

Case Reviewer:Patricia Gilbert

1/30/2025 Review - Complete: No Comments

Case Reviewer:Patricia Gilbert

1/30/2025 BOS Hearing - Approved-No Monitoring: No Comments

Case Reviewer:Patricia Gilbert

1/30/2025 Close Out - Complete: No Comments

Case Reviewer:Patricia Gilbert

FPUP # P23FC01067

DSD # P23BP11887

### ELEVATION CERTIFICATE

**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A – PROPERTY INFORMATION	FOR INSURANCE COMPANY USE
A1. Building Owner's Name: <u>Michael Gilliland &amp; Chelsea Slunaker</u>	Policy Number: _____
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>15467 S. Candy Ln.</u>	Company NAIC Number: _____
City: <u>Sahuarita</u> State: <u>Arizona</u> ZIP Code: <u>85629</u>	
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: <u>30522082M 17S 15E 07</u>	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): <u>Accessory: Non-habitable Structure Metal Bldg.</u>	
A5. Latitude/Longitude: Lat. <u>31.974816</u> Long. <u>-110.857001</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983 <input type="checkbox"/> WGS 84	
A6. Attach at least two and when possible four clear photographs (one for each side) of the building (see Form pages 7 and 8). <i>Pima County Regional Flood Control District requires four (4) photographs</i>	
A7. Building Diagram Number: <u>1A</u>	
A8. For a building with a crawlspace or enclosure(s): a) Square footage of crawlspace or enclosure(s): <u>1440</u> sq. ft. b) Is there at least one permanent flood opening on two different sides of each enclosed area? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: Non-engineered flood openings: <u>21</u> Engineered flood openings: <u>N/A</u> d) Total net open area of non-engineered flood openings in A8.c: <u>2323</u> sq. in. e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): <u>N/A</u> sq. ft. f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): <u>N/A</u> sq. ft.	
A9. For a building with an attached garage: a) Square footage of attached garage: <u>N/A</u> sq. ft. b) Is there at least one permanent flood opening on two different sides of the attached garage? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: Non-engineered flood openings: <u>N/A</u> Engineered flood openings: <u>N/A</u> d) Total net open area of non-engineered flood openings in A9.c: <u>N/A</u> sq. in. e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): <u>N/A</u> sq. ft. f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): <u>N/A</u> sq. ft.	
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION	
B1.a. NFIP Community Name: <u>Pima County</u> B1.b. NFIP Community Identification Number: <u>040073</u>	
B2. County Name: <u>Pima County</u> B3. State: <u>Arizona</u> B4. Map/Panel No.: <u>04019C 3500</u> B5. Suffix: <u>L</u>	
B6. FIRM Index Date: <u>09/28/2012</u> B7. FIRM Panel Effective/Revised Date: <u>06/16/2011</u>	
B8. Flood Zone(s): <u>X</u> B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): <u>101.0</u>	
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: <input type="checkbox"/> FIS <input type="checkbox"/> FIRM <input checked="" type="checkbox"/> Community Determined <input type="checkbox"/> Other: _____	
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input checked="" type="checkbox"/> Other/Source: _____ Highest Adjacent Natural Grade (=100.0 ft)	
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: <u>N/A</u> <input type="checkbox"/> CBRS <input type="checkbox"/> OPA	
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 1-11**

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:  
15467 S. Candy Ln.

City: Sahuarita State: Arizona ZIP Code: 85629

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_  
 Company NAIC Number: \_\_\_\_\_

**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, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters.  
 Benchmark Utilized: N/A Vertical Datum: LOCAL

PCRFCD Note: When HANG is used as Datum, fill out "Vertical Datum" as "LOCAL"

Indicate elevation datum used for the elevations in items a) through h) below.  
 NGVD 1929  NAVD 1988  Other: HANG = 100.0

Datum used for building elevations must be the same as that used for the BFE. Conversion factor used?  Yes  No  
 If Yes, describe the source of the conversion factor in the Section D Comments area.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor):	<u>100.0</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor (see Instructions):	<u>N/A</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (see Instructions):	<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 and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area):	<u>N/A</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest Adjacent Grade (LAG) next to building: <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Finished	<u>99.5</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
<small>PCRFCD Note : Indicate lowest adjacent natural grade (LANG) in Section D.</small>		
g) Highest Adjacent Grade (HAG) next to building: <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Finished	<u>100.0</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
<small>PCRFCD Note : Indicate highest adjacent natural grade (HANG) in Section D.</small>		
h) Finished LAG at lowest elevation of attached deck or stairs, including structural support:	<u>N/A</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 state 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.*

Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

Check here if attachments and describe in the Comments area.


Certifier's Name: Thomas John Patterson, PE License Number: 32841

Title: \_\_\_\_\_

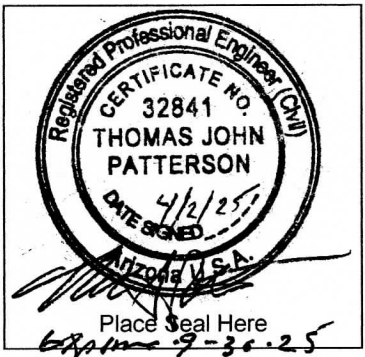
Company Name: Thomas John Patterson, PE

Address: 9302 E Holmes St

City: tucson State: AZ ZIP Code: 85710

Signature:  Date: 4/01/2025

Telephone: 520 327 5363 Ext.: \_\_\_\_\_ Email: pattersonhydro@cox.net



Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including source of conversion factor in C2; type of equipment and location per C2.e; and description of any attachments):

The lowest service equipment (C2.e) is the \_\_\_\_\_ None \_\_\_\_\_  
 Highest adjacent natural grade is 100.00 Lowest adjacent natural grade is 99.5

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15467 S. Candy Ln.

City: Sahuarita

State: Arizona

ZIP Code: 85629

## FOR INSURANCE COMPANY USE

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

### SECTION E – BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)

For Zones AO, AR/AO, and A (without BFE), complete Items E1–E5. For Items E1–E4, use natural grade, if available. If the Certificate is intended to support a Letter of Map Change request, complete Sections A, B, and C. Check the measurement used. In Puerto Rico only, enter meters.

Building measurements are based on:  Construction Drawings\*  Building Under Construction\*  Finished Construction

\*A new Elevation Certificate will be required when construction of the building is complete.

E1. Provide measurements (C.2.a in applicable Building Diagram) for the following and check the appropriate boxes to show whether the measurement is above or below the natural HAG and the 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 1–2 of Instructions), the next higher floor (C2.b in applicable Building Diagram) 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 AUTHORIZED REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge*

Check here if attachments and describe in the Comments area.

Property Owner or Owner's Authorized Representative Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Telephone: \_\_\_\_\_ Ext.: \_\_\_\_\_ Email: \_\_\_\_\_

Comments: \_\_\_\_\_

# ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

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15467 S. Candy Ln.

City: Sahuarita

State: Arizona

ZIP Code: 85629

## FOR INSURANCE COMPANY USE

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

### SECTION G – COMMUNITY INFORMATION (RECOMMENDED FOR COMMUNITY OFFICIAL COMPLETION)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Section A, B, C, E, G, or H of this Elevation Certificate. Complete the applicable item(s) and sign below when:

- 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 state law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2.a.  A local official completed Section E for a building located in Zone A (without a BFE), Zone AO, or Zone AR/AO, or when item E5 is completed for a building located in Zone AO.
- G2.b.  A local official completed Section H for insurance purposes.
- G3.  In the Comments area of Section G, the local official describes specific corrections to the information in Sections A, B, E and H.
- G4.  The following information (Items G5–G11) is provided for community floodplain management purposes.
- G5. Permit Number: P23FC01067 G6. Date Permit Issued: 09/17/2024
- G7. Date Certificate of Compliance/Occupancy Issued: \_\_\_\_\_
- G8. This permit has been issued for:  New Construction  Substantial Improvement
- G9.a. Elevation of as-built lowest floor (including basement) of the building: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G9.b. Elevation of bottom of as-built lowest horizontal structural member: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G10.a. BFE (or depth in Zone AO) of flooding at the building site: 101.0  feet  meters Datum: HANG
- G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member: 102.0  feet  meters Datum: HANG
- G11. Variance issued?  Yes  No If yes, attach documentation and describe in the Comments area.

The local official who provides information in Section G must sign here. *I have completed the information in Section G and certify that it is correct to the best of my knowledge. If applicable, I have also provided specific corrections in the Comments area of this section.*

Local Official's Name: Rodrigo Morales

Title: Hydrologist I

NFIP Community Name: Pima County

Telephone: 520-724-4600

Ext.: \_\_\_\_\_

Email: rodrigo.morales@pima.gov

Address: 201 N Stone Ave 9th Fl

City: Tucson

State: AZ

ZIP Code: 85701

Signature: Rodrigo Morales

Date: 09-05-2024

Comments (including type of equipment and location, per C2.e; description of any attachments; and corrections to specific information in Sections A, B, D, E, or H):

# ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 1-11

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 15467 S. Candy Ln.	<b>FOR INSURANCE COMPANY USE</b>
City: <u>Sahuarita</u> State: <u>Arizona</u> ZIP Code: <u>85629</u>	Policy Number: _____ Company NAIC Number: _____

## SECTION H – BUILDING'S FIRST FLOOR HEIGHT INFORMATION FOR ALL ZONES (SURVEY NOT REQUIRED) (FOR INSURANCE PURPOSES ONLY)

The property owner, owner's authorized representative, or local floodplain management official may complete Section H for all flood zones to determine the building's first floor height for insurance purposes. Sections A, B, and I must also be completed. Enter heights to the nearest tenth of a foot (nearest tenth of a meter in Puerto Rico). **Reference the Foundation Type Diagrams (at the end of Section H Instructions) and the appropriate Building Diagrams (at the end of Section I Instructions) to complete this section.**

H1. Provide the height of the top of the floor (as indicated in Foundation Type Diagrams) above the Lowest Adjacent Grade (LAG):

a) For Building Diagrams 1A, 1B, 3, and 5–8. Top of bottom \_\_\_\_\_  feet  meters  above the LAG floor (include above-grade floors only for buildings with subgrade crawlspaces or enclosure floors) is:

b) For Building Diagrams 2A, 2B, 4, and 6–9. Top of next higher floor (i.e., the floor above basement, crawlspace, or enclosure floor) is: \_\_\_\_\_  feet  meters  above the LAG

H2. Is **all** Machinery and Equipment servicing the building (as listed in Item H2 instructions) elevated to or above the floor indicated by the H2 arrow (shown in the Foundation Type Diagrams at end of Section H instructions) for the appropriate Building Diagram?

Yes  No

## SECTION I – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and H must sign here. *The statements in Sections A, B, and H are correct to the best of my knowledge.* **Note:** If the local floodplain management official completed Section H, they should indicate in Item G2.b and sign Section G.

Check here if attachments are provided (including required photos) and describe each attachment in the Comments area.

Property Owner or Owner's Authorized Representative Name: Thomas John Patterson, PE

Address: 9302 E Holmes St

City: Tucson State: AZ ZIP Code: 85710

Signature:  Date: 4/1/2025

Telephone: 520 327 5363 Ext.: \_\_\_\_\_ Email: pattersonhydro@cox.net

Comments:

As per Floodplain Use Permit P23FC0067:

1) The floor is constructed using loose gravel

2) The entire perimeter at the bottom of the sheet metal walls is installed above grade between concrete columns (~3in, see photos) provides 21 individual flood flow vents.

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**  
**BUILDING PHOTOGRAPHS**

See Instructions for Item A6.

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15467 S. Candy Ln.

City: Sahuarita State: Arizona ZIP Code: 85629

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Image taken  
3/11/2025

Photo One

Photo One Caption: Look west

Clear Photo One



Image taken  
3/11/2025

Photo Two

Photo Two Caption: look south

Clear Photo Two

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**  
**BUILDING PHOTOGRAPHS**

Continuation Page

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

15467 S. Candy Ln.

City: Sahuarita

State: Arizona

ZIP Code: 85629

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Image taken  
3/11/2025

Photo Three

Photo Three Caption: look east

Clear Photo Three



Image taken  
3/11/2025

Photo Four

Photo Four Caption: look north

Clear Photo Four