

**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>SARAH MANWELL</u>	Policy Number: _____
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>331 FIR AVENUE</u>	Company NAIC Number: _____

City: WOODLAND State: WA ZIP Code: 98674

A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number:  
LOT 4, BLOCK 4, "GREENWOOD ADDITION TO WOODLAND", RECORDED IN VOLUME 11 OF PLATS AT PAGE 34

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

A5. Latitude/Longitude: Lat. 45°55'19.80"N Long. 122°43'40.65"W Horizontal Datum:  NAD 1927  NAD 1983  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).

A7. Building Diagram Number: \_\_\_\_\_

- A8. For a building with a crawlspace or enclosure(s):
- a) Square footage of crawlspace or enclosure(s): \_\_\_\_\_ sq. ft.
  - b) Is there at least one permanent flood opening on two different sides of each enclosed area?  Yes  No  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: \_\_\_\_\_ Engineered flood openings: \_\_\_\_\_
  - d) Total net open area of non-engineered flood openings in A8.c: \_\_\_\_\_ sq. in.
  - e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): \_\_\_\_\_ sq. ft.
  - f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): \_\_\_\_\_ sq. ft.
- A9. For a building with an attached garage:
- a) Square footage of attached garage: \_\_\_\_\_ sq. ft.
  - b) Is there at least one permanent flood opening on two different sides of the attached garage?  Yes  No  N/A
  - c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade:  
 Non-engineered flood openings: \_\_\_\_\_ Engineered flood openings: \_\_\_\_\_
  - d) Total net open area of non-engineered flood openings in A9.c: \_\_\_\_\_ sq. in.
  - e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): \_\_\_\_\_ sq. ft.
  - f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): \_\_\_\_\_ sq. ft.

**SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION**

B1.a. NFIP Community Name: WOODLAND, CITY OF B1.b. NFIP Community Identification Number: 530035

B2. County Name: COWLITZ B3. State: WA B4. Map/Panel No.: 53015C0886 B5. Suffix: G

B6. FIRM Index Date: 12/16/2015 B7. FIRM Panel Effective/Revised Date: 05/11/2023

B8. Flood Zone(s): AE B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): 38.00

B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9:  
 FIS  FIRM  Community Determined  Other: \_\_\_\_\_

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

B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)?  Yes  No

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## 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: WSRN Vertical Datum: NAVD88

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929  NAVD 1988  Other: \_\_\_\_\_

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.

Check the measurement used:

a) Top of bottom floor (including basement, crawlspace, or enclosure floor): \_\_\_\_\_  feet  meters

b) Top of the next higher floor (see Instructions): \_\_\_\_\_  feet  meters

c) Bottom of the lowest horizontal structural member (see Instructions): \_\_\_\_\_  feet  meters

d) Attached garage (top of slab): \_\_\_\_\_  feet  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): \_\_\_\_\_ 34.25  feet  meters

f) Lowest Adjacent Grade (LAG) next to building:  Natural  Finished \_\_\_\_\_  feet  meters

g) Highest Adjacent Grade (HAG) next to building:  Natural  Finished \_\_\_\_\_  feet  meters

h) Finished LAG at lowest elevation of attached deck or stairs, including structural support: \_\_\_\_\_  feet  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: DANIEL ADOLPH RENTON License Number: 37535 WA

Title: VICE PRESIDENT

Company Name: MINISTER AND GLAESER SURVEYING, INC

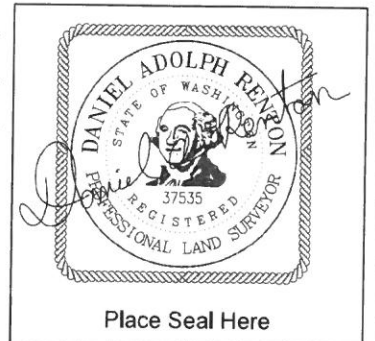
Address: 2200 EAST EVERGREEN BLVD

City: VANCOUVER State: WA ZIP Code: 98661

Signature: DANIEL ADOLPH RENTON Date: 04/29/2024

Telephone: (360) 694-3313 Ext.: 202 Email: dar@mgsurvey.com

04/29/2024



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):  
**THIS ELEVATION SYSTEM IS FOR THE HVAC SYSTEM LOCATED ON THE WEST SIDE OF THE HOUSE. THE BASE FLOOD ELEVATION IS 38 FEET. THE LOWEST GRADE AT THE HVAC SYSTEM IS 34.25 FEET. THE HVAC SYSTEM NEEDS TO BE RAISED 3.75 FEET TO BE AT THE BASE FLOOD ELEVATION OF 38 FEET. THE CITY MAY REQUIRE IT TO BE 1 FOOT ABOVE THE BASE FLOOD ELEVATION WHICH WOULD REQUIRE IT TO BE RAISED 4.75 FEET TO 39 FEET.**

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## FOR INSURANCE COMPANY USE

City: WOODLAND State: WA ZIP Code: 98674

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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City: WOODLAND

State: WA

ZIP Code: 98674

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: \_\_\_\_\_ G6. Date Permit Issued: \_\_\_\_\_
- 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: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- 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: \_\_\_\_\_ Title: \_\_\_\_\_

NFIP Community Name: \_\_\_\_\_

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

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

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

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

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):

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

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## 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 5–9. 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: \_\_\_\_\_

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

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

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

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

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

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



Photo One

Photo One Caption: HVAC SYSTEM, LOOKING EAST. PHOTO DATE: 04/27/2024

Clear Photo One



Photo Two

Photo Two Caption: HVAC SYSTEM, LOOKING NORTH. PHOTO DATE: 04/27/2024

Clear Photo Two

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**BUILDING PHOTOGRAPHS**

Continuation Page

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



Photo Three

Photo Three Caption: HVAC SYSTEM, LOOKING SOUTH. PHOTO DATE: 04/27/2024

Clear Photo Three

Photo Four

Photo Four Caption:

Clear Photo Four