

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

Policy Number:

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
 287 Hillshire Drive

Company NAIC Number:

City Woodland

State WA

ZIP Code 98674

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
 Lot 45, Hillshire Manor Subdivision (Vol. 14, Pg. 20)

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

A5. Latitude/Longitude: Lat. 45° 55' 16.19" Long. -122° 44' 19.84"

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) 1575 sq ft
- b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 2
- c) Total net area of flood openings in A8.b 1575 sq in
- d) Engineered flood openings? Yes No

A9. For a building with an attached garage:

- a) Square footage of attached garage 400 sq ft
- b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 2
- c) Total net area of flood openings in A9.b 400 sq in
- d) Engineered flood openings? Yes No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number
 Cowlitz County 530032

B2. County Name
 Cowlitz

B3. State
 WA

B4. Map/Panel Number
 0285

B5. Suffix
 D

B6. FIRM Index Date
 Dec. 20, 2001

B7. FIRM Panel Effective/Revised Date
 09/29/89

B8. Flood Zone(s)
 A15

B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
 32.9'

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: _____

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: RM4

Vertical Datum: NGVD 1929

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) 32.4 feet meters
- b) Top of the next higher floor 33.9 feet meters
- c) Bottom of the lowest horizontal structural member (V Zones only) NA 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) 33.3 feet meters
- g) Highest adjacent (finished) grade next to building (HAG) 33.3 feet meters
- h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support NA 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 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 Howard S. Richardson

License Number 38485

Title PLS

Company Name Olson Engineering, Inc.

Address 1111 Broadway

City Vancouver

State WA ZIP Code 98660

Signature [Signature]

Date 02/06/13

Telephone 360-695-1385

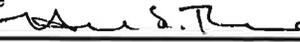


IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 287 Hillshire Drive	Policy Number:
City Woodland State WA ZIP Code 98674	Company NAIC Number:

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 A5 was taken from GoogleEarth and field verified. C2a was determined by subtracting 1.8' from the existing grade on site. C2f & g are the current existing grades on site.

Signature  Date 02/06/13

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/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.

LOT 45 Hillside Manor (14/20)
 287 Hillside Drive Woodland, WA 98674

NO.	DESCRIPTION OF FINISH MATERIAL	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
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THE LIVING AREA HAS A CRAWLSPACE AREA OF 1575 SQUARE FEET WHICH REQUIRES A MINIMUM OF 1575 SQUARE INCHES OF VENTING LOCATED WITHIN 1' OF THE OUTSIDE FINISH GRADE. THE GARAGE AREA IS 400 SQUARE FEET WHICH WILL REQUIRE A MINIMUM OF 400 SQUARE INCHES LOCATED WITHIN 1' OF THE OUTSIDE FINISH GRADE. BOTH AREAS REQUIRE A MINIMUM OF 2 VENTS PER AREA ON DIFFERENT WALLS.

I CERTIFY THAT THE BASE FLOOD ELEVATION AS DERIVED FROM THE FIRM FOR COWLITZ COUNTY (330032 0283D REVISED SEPTEMBER 20, 1989) IS AN ELEVATION OF 32.9' AT 287 HILLSHIRE DRIVE, AND THAT THE MINIMUM FINISH FLOOR ELEVATION ON THESE PLANS AS REQUIRED PER CITY OF WOODLAND CODE 14.04.05 (B) (1) (a) WILL BE 33.9'. THESE ELEVATIONS ARE BASED ON THE ELEVATION OF RM4 (35.08' NGVD 1929 ADJUSTED 1947) AS SHOWN ON THE FIRM. THIS ELEVATION APPLIES ONLY TO THE ELEVATION SHOWN HEREON.

HOWARD S. RICHARDSON PLS 38485

