

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

FILE COPY

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		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1770 Blacktail Lane		Company NAIC Number:
City Woodland	State Washington	ZIP Code 98674
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 85, Meriwether PH 2 (Vol. 14, Pg. 103)		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>		
A5. Latitude/Longitude: Lat. <u>45°55'30.95"</u> Long. <u>-122°44'11.94"</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> 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 <u>9</u>		
A8. For a building with a crawlspace or enclosure(s):		
a) Square footage of crawlspace or enclosure(s) <u>796</u> sq ft		
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>2</u>		
c) Total net area of flood openings in A8.b <u>796</u> sq in MINIMUM		
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
A9. For a building with an attached garage:		
a) Square footage of attached garage <u>390</u> sq ft		
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>2</u>		
c) Total net area of flood openings in A9.b <u>390</u> sq in MINIMUM		
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number City of Woodland 530035		B2. County Name Cowlitz		B3. State Washington	
B4. Map/Panel Number 5301C0886	B5. Suffix G	B6. FIRM Index Date 12/15/2016	B7. FIRM Panel Effective/ Revised Date 12/15/2016	B8. Flood Zone(s) A	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) <u>37.3'</u>
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input checked="" type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
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: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 30, 2018

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. 1770 Blacktail Lane			Policy Number:
City Woodland	State Washington	ZIP Code 98674	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, 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: WSDOT/NOAA Vertical Datum: NAVD 1988

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.

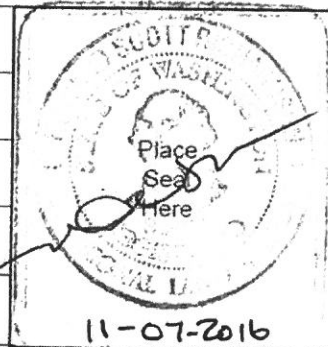
- | | | |
|---|-------------|--|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) | <u>36.8</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| b) Top of the next higher floor | <u>38.3</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> 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>37.7</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>37.7</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | <u>36.9</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | <u>37.5</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>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 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.

Certifier's Name Howard S. Richardson	License Number 38485
Title PLS	
Company Name Olson Engineering, Inc.	
Address 222 E. Evergreen Blvd.	
City Vancouver	State Washington
	ZIP Code 98660
Signature 	Date 11-07/16
	Telephone (360) 695-1385



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

Comments (including type of equipment and location, per C2(e), if applicable)
 A5 was taken from GoogleEarth. C2-elevations are based on fast static GPS observations on NOAA and WSDOT benchmarks and adjusted using OPUS. C2f & g are existing grades on the lot.

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City Woodland	State Washington	ZIP Code 98674	Company NAIC Number

**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 1–2 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			
Address	City	State	ZIP Code
Signature	Date	Telephone	

Comments

Check here if attachments.



NASH & ASSOCIATES
ARCHITECTS
300 117TH AVE NE - SUITE 100
WOODLAND, WA - 98674

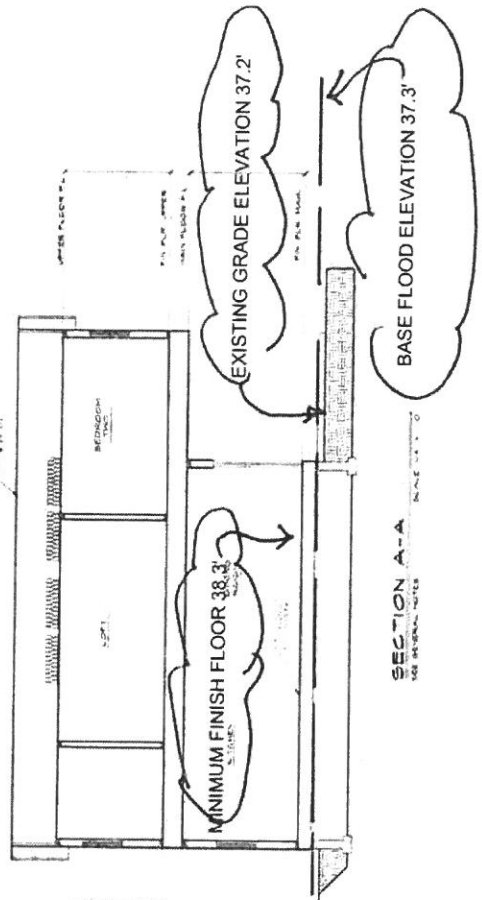


FOX
FLAZ 00
PROJECT

DATE: 10/1/16
DRAWN BY: J. RICHARDSON
CHECKED BY:

A7

LOT 85 MERIWETHER PH 2
1770 BLACKTAIL LANE
WOODLAND, WA 98674



THE ENCLOSED AREA OF THE HOUSE TO BE BUILT AT 1770 BLACKTAIL LANE, WOODLAND, WA HAS A CRAWLSPACE AREA OF 796 SQUARE FEET WHICH REQUIRES A MINIMUM OF 796 SQUARE INCHES OF VENTING. THE GARAGE AREA IS 390 SQUARE FEET WHICH REQUIRES A MINIMUM OF 390 SQUARE INCHES OF VENTING. THE VENTING MUST BE WITHIN 1' OF WITH THE INSIDE (CRAWSPACE) OR OUTSIDE GRADE AND LOCATED ON A MINIMUM OF 2 FOUNDATION WALLS.

I CERTIFY THAT THE BASE FLOOD ELEVATION AS DERIVED FROM THE FIRM (FLOOD INSURANCE RATE MAP) FOR THE CITY OF WOODLAND (530035) 53015C0886G BEARING THE DATE OF DECEMBER 16, 2016, ADOPTED BY THE CITY OF WOODLAND UNDER ORDINANCE NO. 1338 IS AN ELEVATION OF 37.3', AND THAT THE FINISH FLOOR ELEVATION ON THESE PLANS AS REQUIRED BY WOODLAND CITY CODE 14.40.050(B)(1)(a) WILL BE 38.3'. THESE ELEVATIONS ARE NAVD 1988 AS SHOWN ON THE PLAT RECORDED UNDER VOLUME 14, AT PAGE 103, RECORDS OF COWLITZ COUNTY, WASHINGTON.

HOWARD S. RICHARDSON
PLS 38485

