

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. <u>1780 Blacktail Lane</u>				Company NAIC Number:	
City <u>Woodland</u>		State <u>Washington</u>		ZIP Code <u>98674</u>	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>Lot 86, Meriwether PH 2 (Vol. 14, Pg. 103)</u>				BP# <u>RJC-16-047</u>	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)				<u>Residential</u>	
A5. Latitude/Longitude: Lat. <u>45°55'31.04"</u> Long. <u>-122°44'10.39"</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>1,058</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>2 MINIMUM</u>					
c) Total net area of flood openings in A8.b <u>1,058</u> sq in					
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>400</u> sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>2 MINIMUM</u>					
c) Total net area of flood openings in A9.b <u>400</u> sq in					
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 <u>City of Woodland 530035</u>			B2. County Name <u>Cowlitz</u>		B3. State <u>Washington</u>
B4. Map/Panel Number <u>5301C0886</u>	B5. Suffix <u>G</u>	B6. FIRM Index Date <u>12/16/2015</u>	B7. FIRM Panel Effective/ Revised Date <u>12/16/2015</u>	B8. Flood Zone(s) <u>A</u>	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 type="checkbox"/> FIS Profile <input checked="" 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. 1780 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 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.

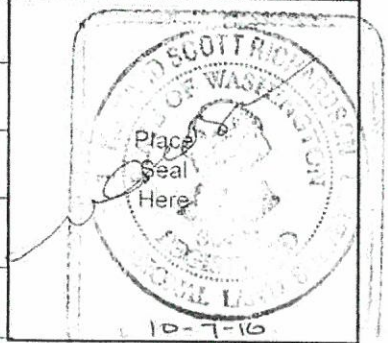
- a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 35.5 feet meters
- b) Top of the next higher floor 38.3 feet meters
- c) Bottom of the lowest horizontal structural member (V Zones only) N/A feet meters
- d) Attached garage (top of slab) 37.3 feet meters
- e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 38.6 feet meters
- f) Lowest adjacent (finished) grade next to building (LAG) 37.0 feet meters
- g) Highest adjacent (finished) grade next to building (HAG) 37.3 feet meters
- h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support N/A 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.

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 39485
Title PLS	
Company Name Olson Engineering, Inc.	
Address 222 E. Evergreen Blvd.	
City Vancouver	State Washington
	ZIP Code 98660
Signature 	Date 10/07/2016
	Telephone (360) 695-1385



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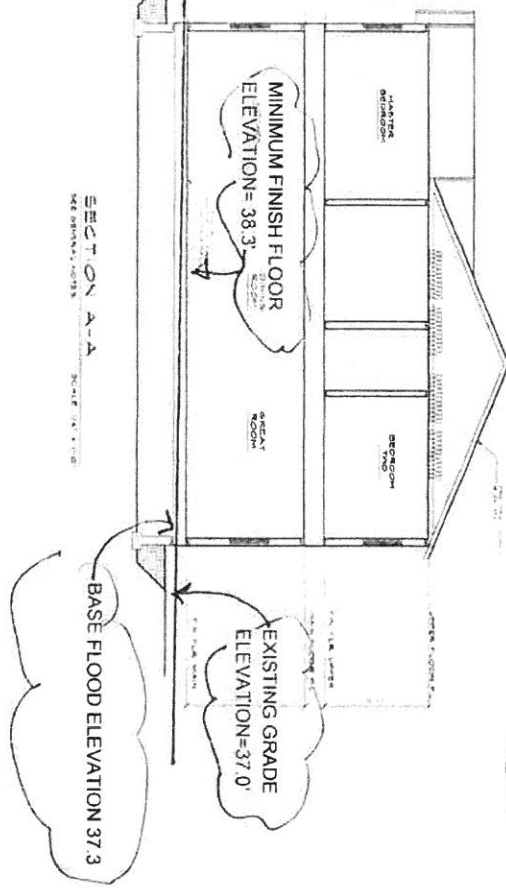
Comments (including type of equipment and location, per C2(e), if applicable)

C2 elevations were determined from benchmarks established using GPS observations on NOAA benchmarks and adjusted using OPUS. C2a & d were calculated by information provided by the contractor. C2e was calculated using the elevation from C2d and adding the standard water heater stand height. C2f & g are the existing grades on the lot.

THE ENCLOSED AREA OF THE HOUSE TO BE BUILT AT 1780 BLACKTAIL LANE, WOODLAND, WA HAS A CRAWLSPACE AREA OF 1058 SQUARE FEET WHICH REQUIRES A MINIMUM OF 1058 SQUARE INCHES OF VENTING. THE GARAGE AREAS IS 400 SQUARE FEET WHICH REQUIRES A MINIMUM OF 400 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) 53015C08866G 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

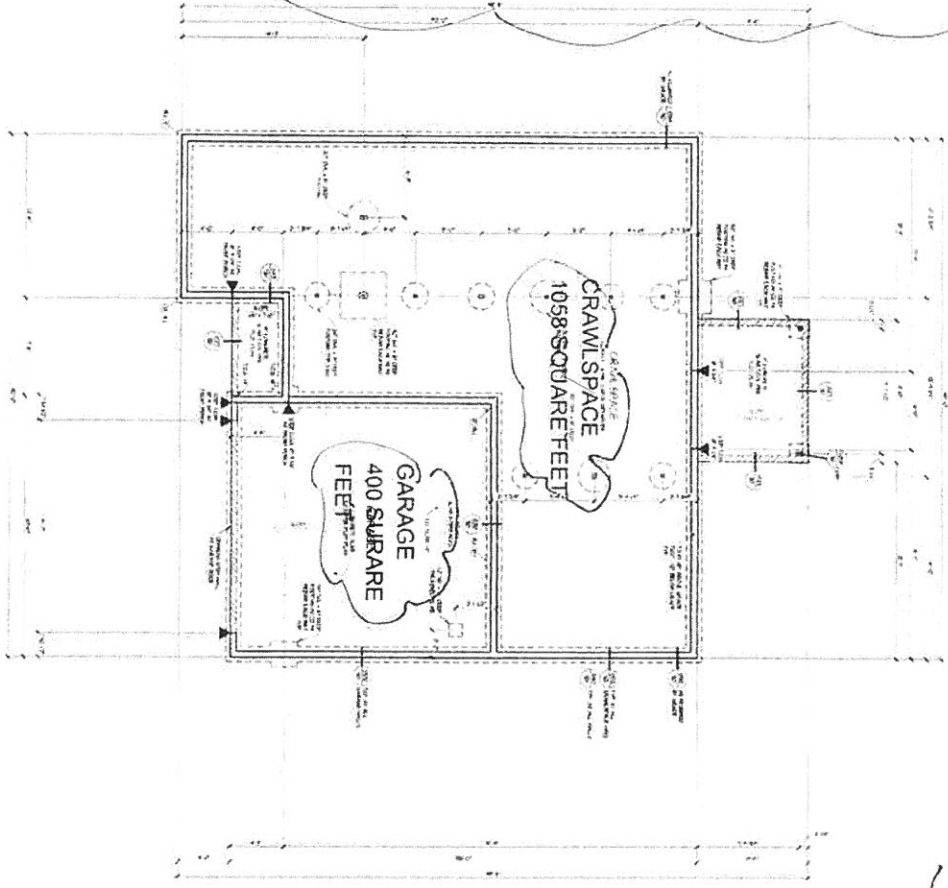


LOT 86, MERIWETHER PH2
1780 BLACKTAIL LANE
WOODLAND, WA 98674

	<p>NASH • ASSOCIATES ARCHITECTS</p> <p>800 115TH AVENUE • KODIAK, WA 98541 • (360) 883-1151 www.nashassociates.com</p>		<p>PLAN 101 HENRY</p> <p>DATE: 08/15/16 DRAWN BY: [Name] CHECKED BY: [Name]</p>	<p>PROJECT A7</p>
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LOT 86, MERIWETHER PH2
1780 BLACKTAIL LANE
WOODLAND, WA 98674

CODES & REGULATIONS	
CONVENTIONAL FOUNDATION INSULATION	MINIMUM INSULATION R-VALUE FOR ALL PERIMETER WALLS SHALL BE AS SHOWN ON THIS PLAN.
HOLDING RADIANT	MINIMUM INSULATION R-VALUE FOR ALL PERIMETER WALLS SHALL BE AS SHOWN ON THIS PLAN.
LOW 1.0' OF LAND	MINIMUM INSULATION R-VALUE FOR ALL PERIMETER WALLS SHALL BE AS SHOWN ON THIS PLAN.

FOUNDATION PLAN

FOUNDATION PLAN ALL ELEVATIONS

14400 NW 15TH ST. SUITE 200
WOODLAND WA 98674
206-445-3328

FELTENGROUP

2197
MERIWETHER

SI.1