U.S. DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
National Flood Insurance Program

ELEVATION CERTIFICATE

IMPORTANT: FOLLOW THE INSTRUCTIONS ON PAGES 8-15

OMB Control Number: 1660-0008
Expiration: 11/30/2018

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. **1745 Chinook Ave.**	Company NAIC Number:

City **Woodland** | State **WA** | Zip Code **98674**

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Lot 91, Meriwether PH2 (Vol. 14, Pg. 103)

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

A5. Latitude/Longitude: Lat. **45°55'29.36"** Long. **122°44'13.49"** 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) **911** 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 **911** sq in
- d) Engineered flood openings? ○ Yes ◉ No

A9. For a building with an attached garage:
- a) Square footage of attached garage **390** 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 **390** sq in
- d) Engineered flood openings? ○ Yes ◉ No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
City of Woodland 530035	**Cowlitz**	**WA**

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/ Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth
53015C0886	**G**	**Dec. 16, 2015**	**Dec. 15, 2015**	**A**	**37.2'**

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: **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)	**35.7**	◉ feet ○ meters
b) Top of the next higher floor	**38.2**	◉ 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)	**36.8**	◉ feet ○ meters
g) Highest adjacent (finished) grade next to building (HAG)	**37.5**	◉ feet ○ meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	**NA**	○ feet ○ meters

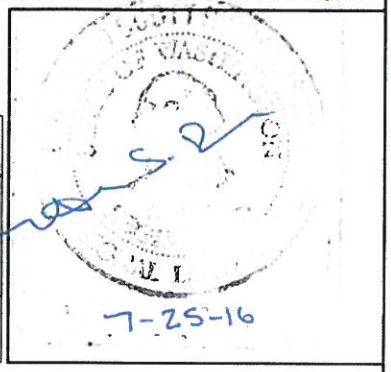
IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. **1745 Chinook Ave.**			Policy Number:
City **Woodland**	State **WA**	Zip Code **98674**	Company NAIC Number:

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 attachments.

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



Certifier's Name		License Number	
Howard S. Richardson		**38485**	
Title **PLS**	Company Name **Olson Engineering, Inc.**		
Address **222 E. Evergreen Blvd**	City **Vancouver**	State **WA**	Zip Code **98660**
Signature	Date 7-25-16	Telephone **360-695-1385**	

Copy all pages of this Elevation Certificate 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 Google Earth and field verified. C2-Elevations were determined from benchmarks establish by GPS observations using NOAA benchmarks and adjusted by OPUS. C2a was determined from information provided by the contractor. C2 f & g are the existing elevations on the lot.

Signature _____ Date 7-25-16

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 page 8 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			

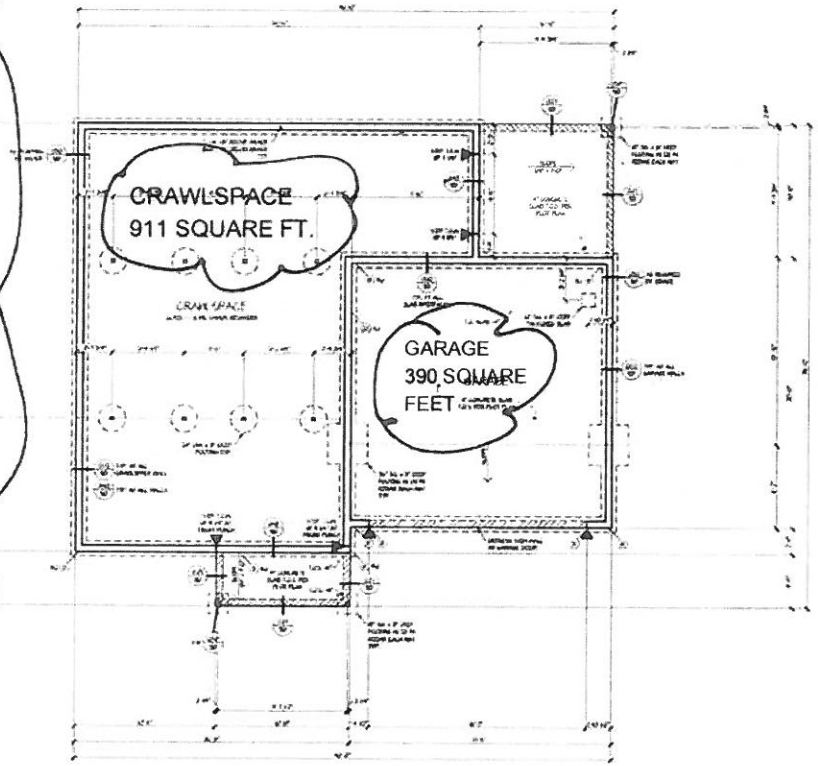
☐ Check here if attachments.

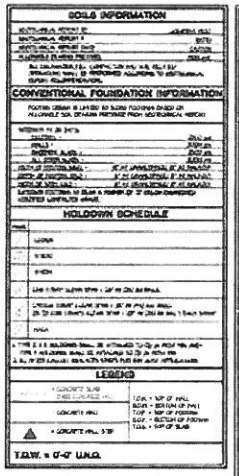
THE ENCLOSED AREA OF THE HOUSE TO BE BUILT AT 1745 CHINOOK AVE. WOODLAND, WA HAS A CRAWLSPACE AREA OF 911 SQUARE FEET WHICH REQUIRES A MINIMUM OF 911 SQUARE INCHES OF VENTING. THE GARAGE AREA IS 390 SQUARE FEET WHICH REQUIRES A MINIMUM OF 390 SQUARE INCHES OF VENTING. THE VENTING MUST BE WITHIN 1' OF 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 37.2', AND THAT THE FINISH FLOOR ELEVATION ON THESE PLANS AS REQUIRED BY WOODLAND CITY CODE 14.40.050(B)(1)(a) WILL BE 38.2'. 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 91, MERIWETHER PH2
1745 CHINOOK AVE
WOODLAND, WA 98674





FOUNDATION PLAN

FELTEN GROUP
11410 NE 124TH ST.
SUITE 110
KIRKLAND
WA 98034
206-445-5326
HOMES
FOUNDATION PLAN
ALL ELEVATIONS
MERIWETHER
1800
S1.1

LOT 91, MERIWETHER PH2
1745 CHINOOK AVE
WOODLAND, WA 98674

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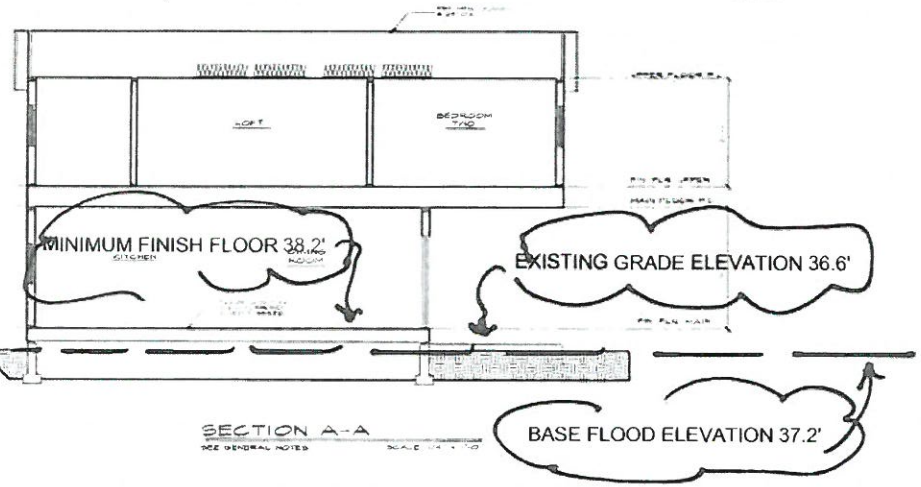

SECTION A-A
SEE GENERAL NOTES

NASH & ASSOCIATES ARCHITECTS

HOMES

PLAN 1600
FOX

A7