

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. <b>1760 Chinook Ave.</b>				Company NAIC Number:	
City <b>Woodland</b>		State <b>WA</b>		Zip Code <b>98674</b>	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <b>Lot 100, Meriwether PH2 (Vol. 14, Pg. 103)</b>					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)					
A5. Latitude/Longitude: Lat. <b>45°55'28.19"</b> Long. <b>122°44'12.15"</b> Horizontal Datum: <input type="radio"/> NAD 1927 <input checked="" type="radio"/> 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 <b>9</b>					
A8. For a building with a crawlspace or enclosure(s):			A9. For a building with an attached garage:		
a) Square footage of crawlspace or enclosure(s) <b>1102</b> sq ft		a) Square footage of attached garage <b>390</b> sq ft			
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <b>2</b>		b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <b>2</b>			
c) Total net area of flood openings in A8.b <b>1102</b> sq in		c) Total net area of flood openings in A9.b <b>390</b> sq in			
d) Engineered flood openings? <input type="radio"/> Yes <input checked="" type="radio"/> No		d) Engineered flood openings? <input type="radio"/> Yes <input checked="" type="radio"/> No			
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number <b>City of Woodland 530035</b>			B2. County Name <b>Cowlitz</b>		B3. State <b>WA</b>
B4. Map/Panel Number <b>53015C0886</b>	B5. Suffix <b>G</b>	B6. FIRM Index Date <b>Dec. 16, 2015</b>	B7. FIRM Panel Effective/ Revised Date <b>Dec. 15, 2015</b>	B8. Flood Zone(s) <b>A</b>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <b>37.2'</b>
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="radio"/> FIS Profile <input checked="" type="radio"/> FIRM <input type="radio"/> Community Determined <input type="radio"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="radio"/> NGVD 1929 <input checked="" type="radio"/> NAVD 1988 <input type="radio"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="radio"/> Yes <input checked="" type="radio"/> No Designation Date: <input type="radio"/> CBRS <input type="radio"/> OPA					
SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)					
C1. Building elevations are based on: <input checked="" type="radio"/> Construction Drawings* <input type="radio"/> Building Under Construction* <input type="radio"/> 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: <b>WSDOT</b> Vertical Datum: <b>NAVD 1988</b>					
Indicate elevation datum used for the elevations in items a) through h) below. <input type="radio"/> NGVD 1929 <input checked="" type="radio"/> NAVD 1988 <input type="radio"/> 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)	<b>35.0</b>	<input checked="" type="radio"/> feet <input type="radio"/> meters			
b) Top of the next higher floor	<b>38.2</b>	<input checked="" type="radio"/> feet <input type="radio"/> meters			
c) Bottom of the lowest horizontal structural member (V Zones only)	<b>NA</b>	<input type="radio"/> feet <input type="radio"/> meters			
d) Attached garage (top of slab)	<b>NA</b>	<input type="radio"/> feet <input type="radio"/> meters			
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	<b>NA</b>	<input type="radio"/> feet <input type="radio"/> meters			
f) Lowest adjacent (finished) grade next to building (LAG)	<b>36.4</b>	<input checked="" type="radio"/> feet <input type="radio"/> meters			
g) Highest adjacent (finished) grade next to building (HAG)	<b>36.5</b>	<input checked="" type="radio"/> feet <input type="radio"/> meters			
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<b>NA</b>	<input type="radio"/> feet <input type="radio"/> meters			

**ELEVATION CERTIFICATE, page 2**

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Expiration: 11/30/2018

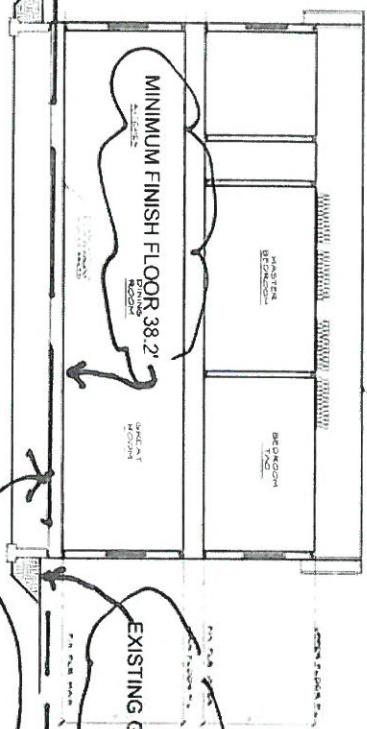
<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>		<b>FOR INSURANCE COMPANY USE</b>	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <b>1760 Chinook Ave.</b>		Policy Number:	
City <b>Woodland</b>	State <b>WA</b>	Zip Code <b>98674</b>	Company NAIC Number:
<b>SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION</b>			
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. <i>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.</i>			
<input type="checkbox"/> Check here if attachments.		Were latitude and longitude in Section A provided by a licensed land surveyor? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Certifier's Name <b>Howard S. Richardson</b>		License Number <b>38485</b>	
Title <b>PLS</b>	Company Name <b>Olson Engineering, Inc.</b>		
Address <b>222 E. Evergreen Blvd</b>	City <b>Vancouver</b>	State <b>WA</b>	Zip Code <b>98660</b>
Signature 	Date <b>7-22-16</b>	Telephone <b>360-695-1385</b>	
			
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) <b>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 &amp; g are the existing elevations on the lot.</b>			
Signature 		Date <b>7-22-16</b>	
<b>SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)</b>			
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 _____ . _____		<input type="radio"/> feet <input type="radio"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.	
b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____		<input type="radio"/> feet <input type="radio"/> meters <input type="checkbox"/> above or <input type="checkbox"/> 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 _____ . _____		<input type="radio"/> feet <input type="radio"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.	
E3. Attached garage (top of slab) is _____ . _____		<input type="radio"/> feet <input type="radio"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.	
E4. Top of platform of machinery and /or equipment servicing the building is _____ . _____		<input type="radio"/> feet <input type="radio"/> meters <input type="checkbox"/> above or <input type="checkbox"/> 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? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown. The local official must certify this information in Section G.			
<b>SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION</b>			
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			
<input type="checkbox"/> Check here if attachments.			

THE ENCLOSED AREA OF THE HOUSE TO BE BUILT AT 1760 CHINOOK AVE. WOODLAND, WA HAS A CRAWLSPACE AREA OF 1102 SQUARE FEET WHICH REQUIRES A MINIMUM OF 1102 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) 53015C08866 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 100, MERWETHER PH2  
1760 CHINOOK AVE.  
WOODLAND, WA 98674



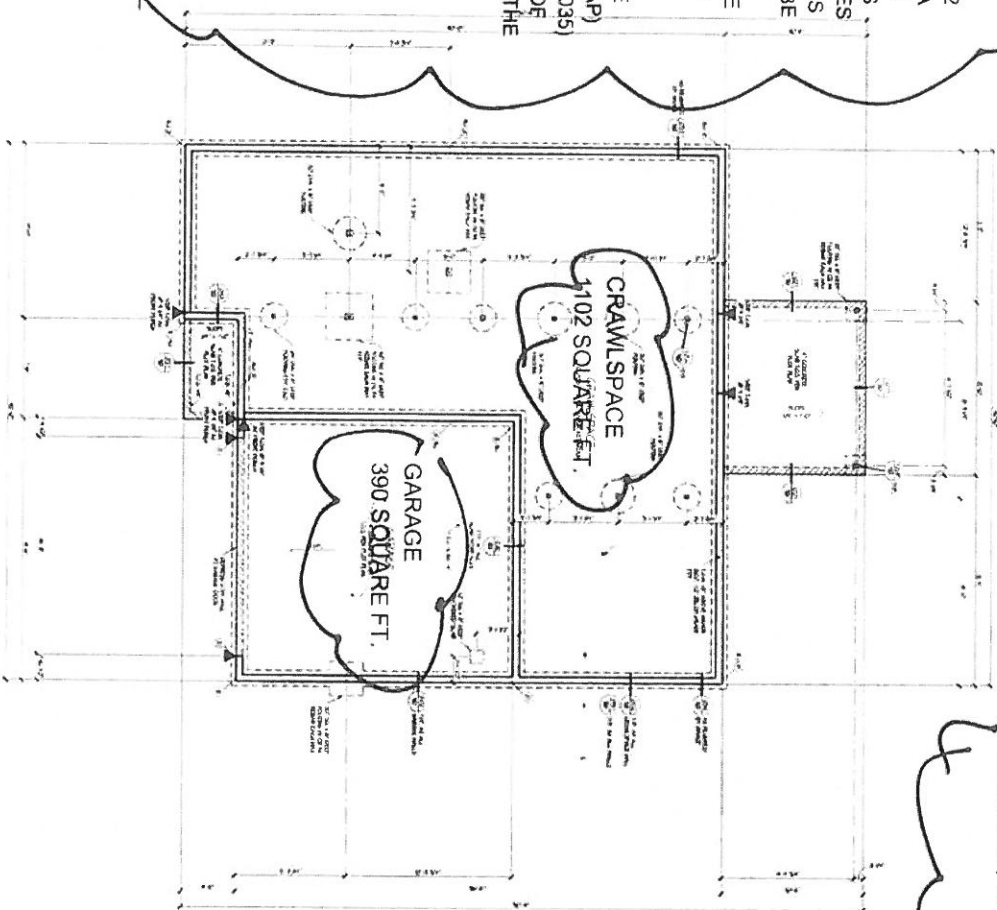
SECTION A-A  
SCALE: 1/4" = 1'-0"

	<p><b>NASH • ASSOCIATES</b> ARCHITECTS</p> <p>800-118TH AVE NE - BEND, WA - 97501 425-828-4117 www.nash-architects.com</p>		<p>PROJECT: 1760 CHINOOK AVE WOODLAND, WA 98674</p> <p>DATE: 12/15/16</p> <p>PLAN NO: A7</p> <p>MERCER</p>	<p>DATE: 12/15/16</p> <p>SCALE: 1/4" = 1'-0"</p> <p>A7</p>	
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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 COMLITZ COUNTY WASHINGTON.

HOWARD S. RICHARDSON  
PLS 38485



LOT 100, MERIWETHER PH2  
1760 CHINOOK AVE.  
WOODLAND, WA 98674

SOLA INFORMATION	
PROJECT NO.	1760 CHINOOK AVE.
DATE	10/20/16
DESIGNED BY	HOWARD S. RICHARDSON
CHECKED BY	HOWARD S. RICHARDSON
DATE	10/20/16
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CHECKED BY	HOWARD S. RICHARDSON
DATE	10/20/16

FOUNDATION PLAN  
S1.1

FOUNDATION PLAN  
ALL ELEVATIONS

11410 NE 124TH ST  
SUITE 103  
KIRKLAND  
WA 98054  
206-445-5526

MERIWETHER  
2378  
S1.1