

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

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. 1779 Lewis River Rd.				Company NAIC Number:	
City Woodland		State Washington		ZIP Code 98674	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Block 5, Lot 4, Plat of Kerns					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>					
A5. Latitude/Longitude: Lat. <u>45°55'04.61"</u> Long. <u>-122°44'15.02"</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>1B</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <u>1,666</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>				MINIMUM	
c) Total net area of flood openings in A8.b <u>1,666</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 _____ sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____					
c) Total net area of flood openings in A9.b _____ sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input 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 53015C0886	B5. Suffix G	B6. FIRM Index Date 12/15/2016	B7. FIRM Panel Effective/ Revised Date 12/15/2016	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 36.2'
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. 1779 Lewis River Rd.			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.

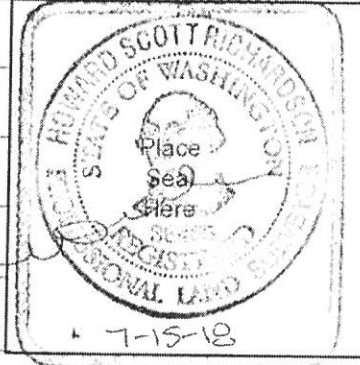
- | | | | |
|---|------|--|---------------------------------|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) | 32.1 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor | 37.2 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only) | N/A | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| d) Attached garage (top of slab) | N/A | <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) | N/A | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | 30.2 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | 32.6 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support | N/A | <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.

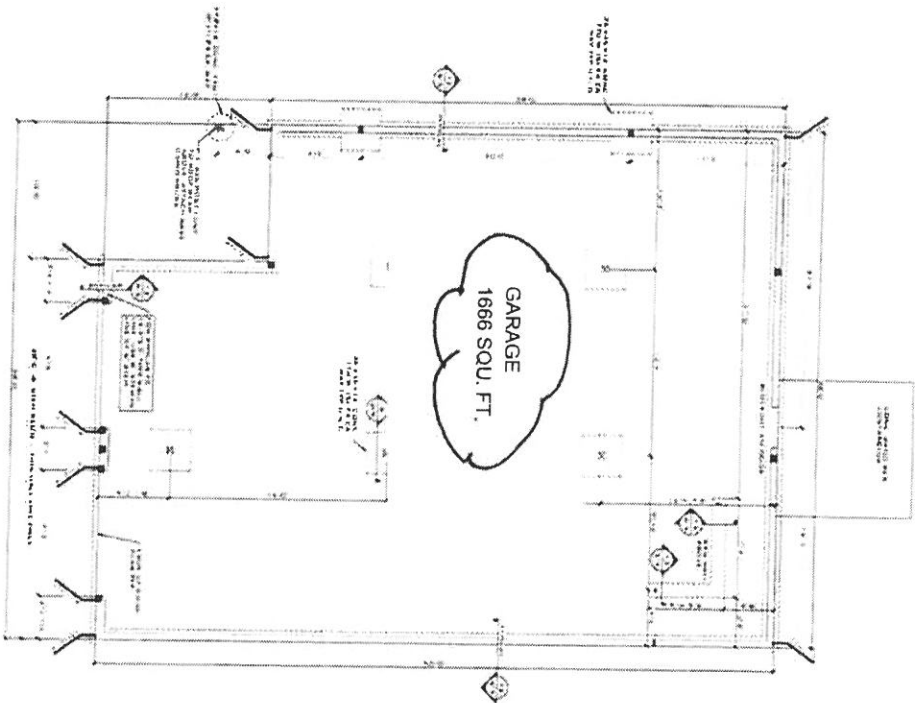
Certifier's Name Howard S. Richardson	License Number 38485
Title PLS	
Company Name Olson Engineering, Inc.	
Address 222 E. Evergreen Blvd.	
City Vancouver	State Washington
	ZIP Code 98660
Signature 	Date 7-15-18
	Telephone (360) 695-1385



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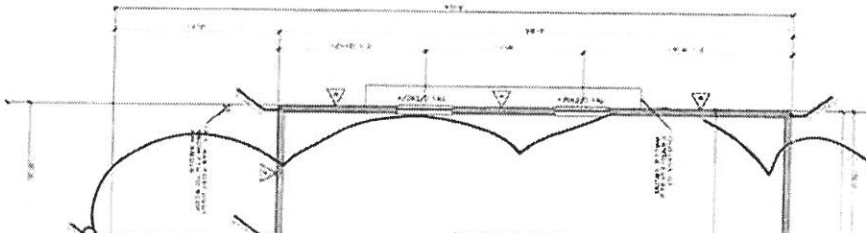
Comments (including type of equipment and location, per C2(e), if applicable)
A5 was taken from GoogleEarth and field verified. C2-elevations were established from bench marks set by fast static GPS observations on WSDOT and NOAA benchmarks and balanced using OPUS. C2f & g are the current existing grades on the lot.

FOUNDATION NOTES
 1. SEE 201 PAGES FOR FULL
 2. SEE 408-3 FOR HOLD DOWN
 3. SEE 408-3 FOR WALL ANCHORS
 4. SEE 408-3 FOR WALL ANCHORS
 5. SEE 408-3 FOR WALL ANCHORS



FOUNDATION PLAN
 SCALE: 1/8" = 1'-0"

1779 LEWIS RIVER RD.
 WOODLAND, WA
 KERNS, BLK 5, LOT 4



LOWER FLOOR SHEAR LAYOUT
 SCALE: 1/8" = 1'-0"

SHEAR WALL NOTES
 1. SEE 408-3 FOR HOLD DOWN
 2. SEE 408-3 FOR WALL ANCHORS
 3. SEE 408-3 FOR WALL ANCHORS
 4. SEE 408-3 FOR WALL ANCHORS

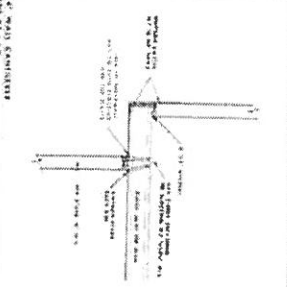
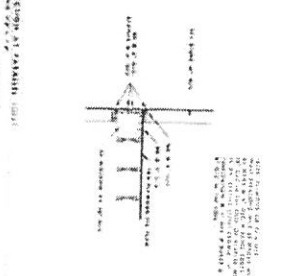
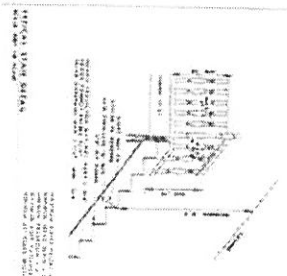
THE ENCLOSED AREA OF THE HOUSE TO BE BUILT AT 1778 LEWIS RIVER RD., WOODLAND, WASHINGTON HAS AN ENCLOSED AREA OF 1666 SQUARE FEET WHICH REQUIRES A MINIMUM OF 1666 SQUARE INCHES OF VENTER LOCATED WITHIN 1' OF THE INSIDE OR OUTSIDE FINISH GRADE. THE ENCLOSURE REQUIRES A MINIMUM OF 2 VENTS ON DIFFERENT WALLS.
 I CERTIFY THAT THE BASE FLOOD ELEV. AS DERIVED FROM THE FIRM FOR THE CITY OF WOODLAND (530035) 53015C08866 ADOPTED BY ORDINANCE 1338 BEARING A DATE OF DECEMBER 16, 2015 IS AN ELEVATION OF 36.2' AND THE MINIMUM ELEVATION ON THE LOWEST HABITABLE FLOOR AS REQUIRED PER CITY OF WOODLAND CODE 14.40.050(b)(1)(a) WILL BE 37.2'. THESE ELEVATIONS ARE NAVD 1988 BASED ON FAST STATIC GPS OBSERVATIONS TO NOAA WITH AN OPUS SOLUTION USING USGS BENCHMARKS P698, JIME, AND WDBN. THIS ELEVATION APPLIES ONLY TO THE ELEVATION SHOWN HEREON.
 Howard S. Richardson
 HOWARD S. RICHARDSON PLS 38485

FOUNDATION PLAN AND LOWER SHEAR LAYOUT SHEET NO. 5-2	1747 D&R INVESTMENTS 13XX LEWIS RIVER RD. WOODLAND, WA 98674 PARCEL #502350201			EXODUS ENGINEERING PHONE: (360) 345-1368 WWW.EXODUSENGINEERING.COM	EXODUS ENGINEERING REMAINS COMMITTED TO THE ENGINEERING CENTER OF THE STATE AND WILL CONTINUE TO BE A LEADER IN THE ENGINEERING INDUSTRY.
	1779 LEWIS RIVER RD., WOODLAND, WA KERNS, BLK 5, LOT 4				

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I CERTIFY THAT THE BASE FLOOD ELEVATION AS DERIVED FROM THE FIRM FOR THE CITY OF WOODLAND (630035) 53015C0886G ADOPTED BY ORDINANCE 1338 BEARING A DATE OF DECEMBER 16, 2015 IS AN ELEVATION OF 36.2' AND THE MINIMUM ELEVATION ON THE LOWEST HABITABLE FLOOR AS REQUIRED PER CITY OF WOODLAND CODE 14.40.050(b)(1)(a) WILL BE 37.2'. THESE ELEVATIONS ARE NAVD 1988 BASED ON FAST STATIC GPS OBSERVATIONS TO NOAA WITH AN OPUS SOLUTION USING USGS BENCHMARKS P698, JIME, AND WDBN. THIS ELEVATION APPLIES ONLY TO THE ELEVATION SHOWN HEREON.

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1779 LEWIS RIVER RD
 WOODLAND, WA
 KERNS, BLK 5, LOT 4

