

RP# RNC-16-053

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. 1795 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 81, 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°55'31.87"</u> Long. <u>-122°44'09.22"</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>1,146</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>1,146</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>400</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>400</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) 37.4'	
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. 1795 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.

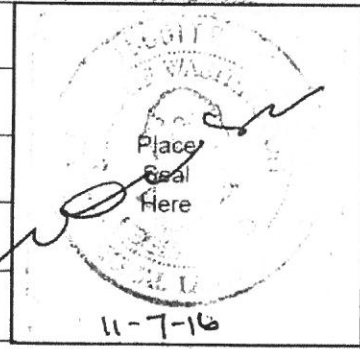
- | | | |
|---|-------------|--|
| | | Check the measurement used. |
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) | <u>36.9</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| b) Top of the next higher floor | <u>38.4</u> | <input checked="" 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>36.8</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | <u>36.8</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 11-7-16
	Telephone (360) 695-1385



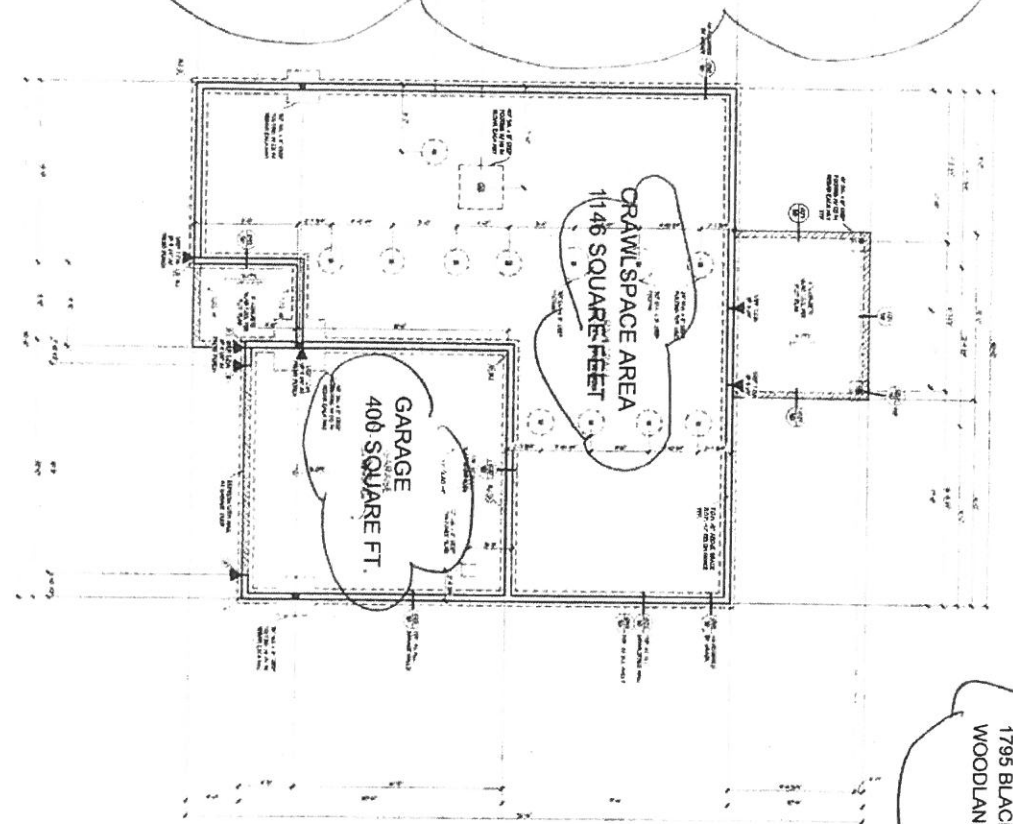
Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

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.

THE ENCLOSED AREA OF THE HOUSE TO BE BUILT AT 1795 BLACKTAIL LANE WOODLAND, WA HAS A CRAWLSPACE AREA OF 1146 SQUARE FEET WHICH REQUIRES A MINIMUM OF 1446 SQUARE INCHES OF VENTING. THE GARAGE AREA 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) 53015C08886 BEARING THE DATE OF DECEMBER 16, 2016, ADOPTED BY THE CITY OF WOODLAND UNDER ORDINANCE NO. 1338 IS AN ELEVATION OF 37.4', AND THAT THE FINISH FLOOR ELEVATION ON THESE PLANS AS REQUIRED BY WOODLAND CITY CODE 14.40.050(B)(1)(a) WILL BE 38.4. 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 81, MERIWETHER PH 2
1795 BLACKTAIL LANE
WOODLAND, WA 98674

DATE INFORMATION	
DATE OF ISSUE	12/15/17
DATE OF REVISION	12/15/17

CONSTRUCTION INFORMATION	
FOUNDATION TYPE	CONCRETE
FOUNDATION WALLS	CONCRETE
FOUNDATION FOOTINGS	CONCRETE
FOUNDATION ANCHORS	CONCRETE
FOUNDATION REINFORCEMENT	CONCRETE

FOUNDATION SCHEME	
FOUNDATION WALLS	CONCRETE
FOUNDATION FOOTINGS	CONCRETE
FOUNDATION ANCHORS	CONCRETE
FOUNDATION REINFORCEMENT	CONCRETE

SEE PLAN FOR FOUNDATION ELEVATIONS AND DIMENSIONS.

FOUNDATION PLAN

FOUNDATION PLAN
ALL ELEVATIONS

DATE: 12/15/17

PROJECT: 1795 BLACKTAIL LANE

DRAWN BY: MERIWETHER

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



435 KELLEY DRIVE
SUITE 103
KIRKLAND
WA 98044
206-445-5326

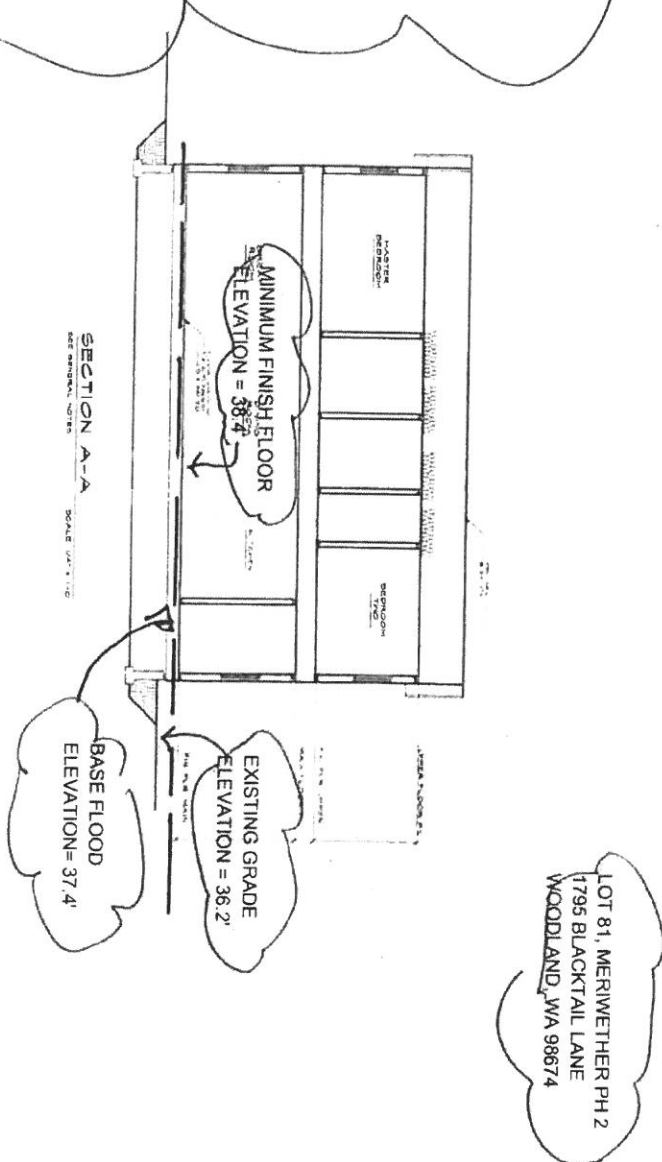
HOMES

FELTENGROUP

THE ENCLOSED AREA OF THE HOUSE TO BE BUILT AT 1795 BLACKTAIL LANE, WOODLAND, WA HAS A CRAWLSPACE AREA OF 1146 SQUARE FEET WHICH REQUIRES A MINIMUM OF 1146 SQUARE INCHES OF VENTING. THE GARAGE AREA 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) 53015C0886G BEARING THE DATE OF DECEMBER 16, 2016, ADOPTED BY THE CITY OF WOODLAND UNDER ORDINANCE NO. 133815 AN ELEVATION OF 37.4, AND THAT THE FINISH FLOOR ELEVATION ON THESE PLANS AS REQUIRED BY WOODLAND CITY CODE 14.40.050(B)(1)(a) WILL BE 38.4'. 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
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1795 BLACKTAIL LANE
WOODLAND, WA 98674

	<p>NASH • ASSOCIATES ARCHITECTS</p> <p>800 117TH AVENUE - KENILWORTH, WA - 98042 425-888-8888 WWW.NASH-ARCHITECTS.COM</p>		<p>project: PLAZ 0883</p> <p>DATE: 08-22-16 BY: HSR</p> <p>PEARL</p>	<p>A7</p>	
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