

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

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. 217 Misty Drive	Company NAIC Number:
City Woodland State WA ZIP Code 98674	

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
 Lot 32, River Mist Subdivision (Vol. 14, Pg. 35)

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

A5. Latitude/Longitude: Lat. 45° 55' 10.68" Long. -122° 43' 29.46" 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)	<u>1790</u> sq ft	A9. For a building with an attached garage:	a) Square footage of attached garage	<u>410</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>		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 A8.b	<u>1790</u> sq in		c) Total net area of flood openings in A9.b	<u>410</u> sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			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 Cowlitz County 530032	B2. County Name Cowlitz	B3. State WA			
B4. Map/Panel Number 0305	B5. Suffix D	B6. FIRM Index Date Dec. 20, 2001	B7. FIRM Panel Effective/Revised Date 09/29/89	B8. Flood Zone(s) A15	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 33.7'

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: RM4 Vertical Datum: NGVD 1929
 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>32.1</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor	<u>34.7</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>NA</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>X.X</u>	<input 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>X.X</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>33.7</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>33.7</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>X.X</u>	<input 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.

Check here if comments are provided on back of form. 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 1111 Broadway	City Vancouver State WA ZIP Code 98660
Signature <i>Howard S. Richardson</i>	Date 08/01/13 Telephone 360-695-1385

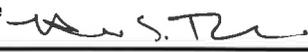


IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 217 Misty Drive	Policy Number:
City Woodland State WA ZIP Code 98674	Company NAIC Number:

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

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

Comments A5 was taken from GoogleEarth and field verified. C2a was determined by using existing grade on the lot (33.7') and subtracting 1.5' for the footing. C2 e & f are the existing grade on the lot.

Signature 

Date 08/01/13

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 pages 8–9 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's or Owner's Authorized Representative's Name _____

Address _____	City _____	State _____	ZIP Code _____
Signature _____	Date _____	Telephone _____	

Comments _____

Check here if attachments.

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number _____	G5. Date Permit Issued _____	G6. Date Certificate Of Compliance/Occupancy Issued _____
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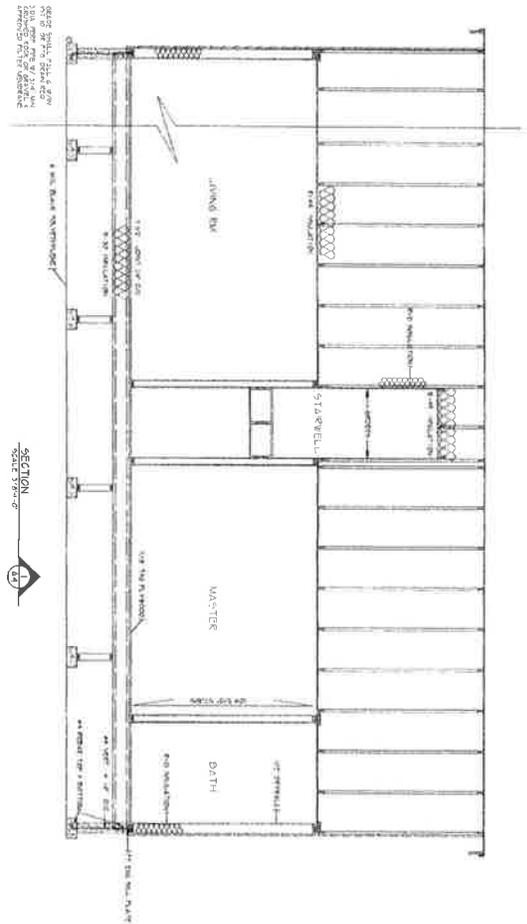
- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name _____	Title _____
Community Name _____	Telephone _____
Signature _____	Date _____

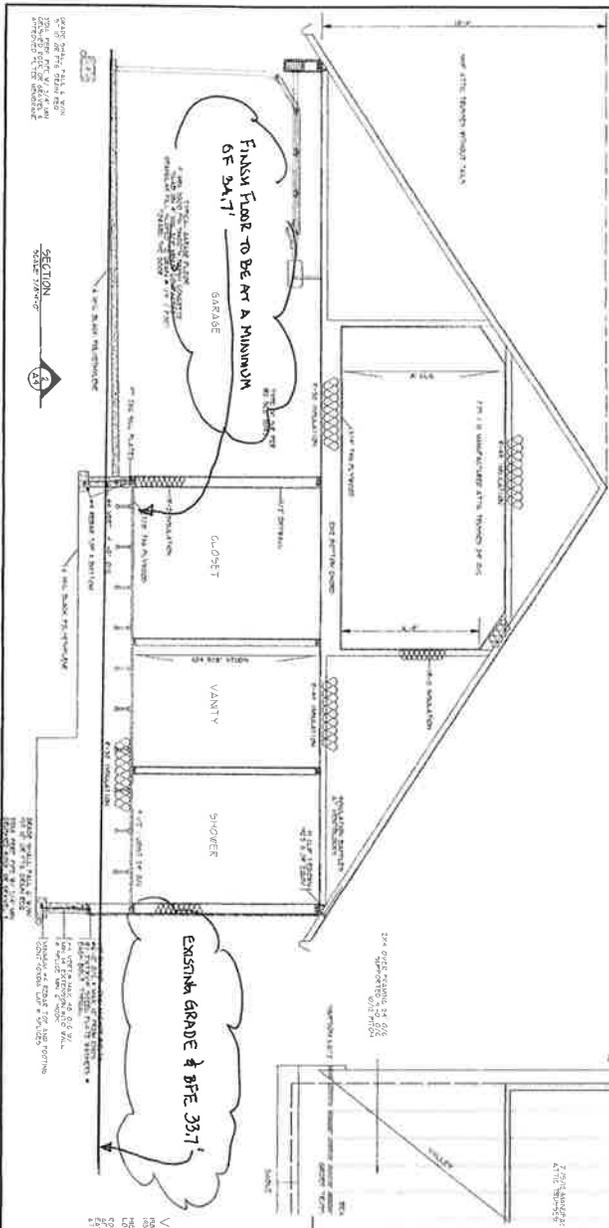
Comments _____

Check here if attachments.

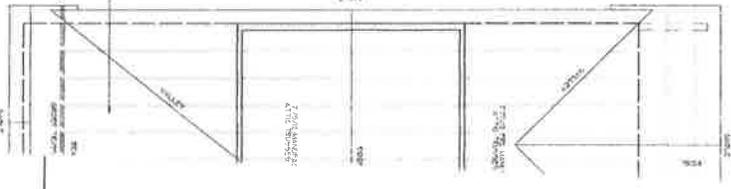
Lot 31 RUSSELL MIST
 217 MISTY DRIVE
 WOODLAND, WA 98066



SECTION 1-1



SECTION 2-2



THE LIVING AREA HAS A CRAWSPACE AREA OF 1790 SQUARE FEET WHICH REQUIRES A MINIMUM OF 1790 SQUARE INCHES OF VENTING LOCATED WITHIN 1' OF THE OUTSIDE FINISH GRADE. THE GARAGE AREA IS 410 SQUARE FEET WHICH WILL REQUIRE A MINIMUM OF 410 SQUARE INCHES LOCATED WITHIN 1' OF THE OUTSIDE FINISH GRADE. BOTH AREAS REQUIRE A MINIMUM OF 2 VENTS PER AREA ON DIFFERENT WALLS.

I CERTIFY THAT THE BASE FLOOD ELEVATION AS DERIVED FROM THE FIRM FOR COMWLITZ COUNTY (S30032 0305D REVISED SEPTEMBER 29, 1989) IS AN ELEVATION OF 33.7 AT 217 MISTY DRIVE AND THAT THE MINIMUM FINISH FLOOR ELEVATION ON THESE PLANS AS REQUIRED PER CITY OF WOODLAND CODE 1404.05 (B) (1) (a) WILL BE 34.7'. THESE ELEVATIONS ARE BASED ON THE ELEVATION OF RM4 (35.08' NGVD 1929 ADJUSTED 1947) AS SHOWN ON THE FIRM. THIS ELEVATION APPLIES ONLY TO THE ELEVATION SHOWN HEREBON.

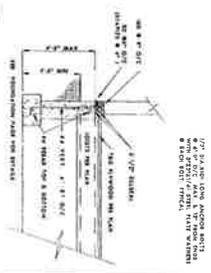
HOWARD S. RICHARDSON PLS 38485

VENTILATION CALCULATIONS

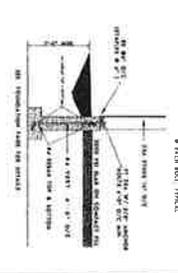
1790 SQ FT CRAWSPACE
 1790 SQ FT GARAGE
 410 SQ FT GARAGE
 1790 SQ FT CRAWSPACE
 1790 SQ FT GARAGE
 410 SQ FT GARAGE

ROOF FRAMING PLAN

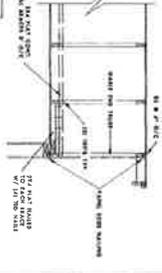
THE ROOF FRAMING PLAN IS BASED ON THE FINISH FLOOR ELEVATION OF 34.7' AT 217 MISTY DRIVE AND THAT THE MINIMUM FINISH FLOOR ELEVATION ON THESE PLANS AS REQUIRED PER CITY OF WOODLAND CODE 1404.05 (B) (1) (a) WILL BE 34.7'. THESE ELEVATIONS ARE BASED ON THE ELEVATION OF RM4 (35.08' NGVD 1929 ADJUSTED 1947) AS SHOWN ON THE FIRM. THIS ELEVATION APPLIES ONLY TO THE ELEVATION SHOWN HEREBON.



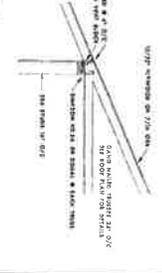
1 CONCRETE WALL AT NOOD



2 SLAB AT CONCRETE WALL



3 SECTION AT GARAGE SLAB



4 SECTION AT LAWE



WALL DETAIL

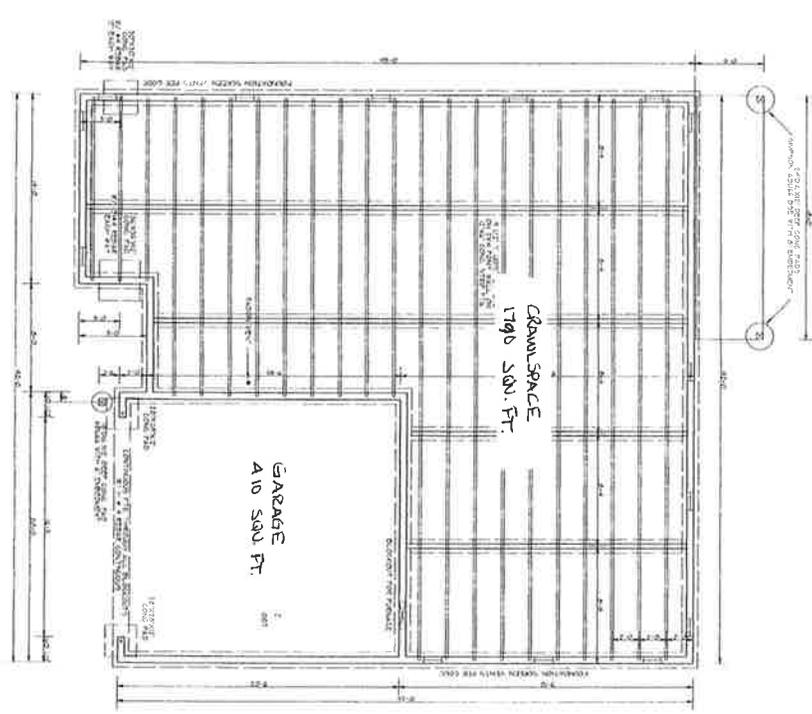
THE LIVING AREA HAS A CRAWLSPACE AREA OF 1790 SQUARE FEET WHICH REQUIRES A MINIMUM OF 1790 SQUARE INCHES OF VENTING LOCATED WITHIN 1' OF THE OUTSIDE FINISH GRADE. THE GARAGE AREA IS 410 SQUARE FEET WHICH WILL REQUIRE A MINIMUM OF 410 SQUARE INCHES LOCATED WITHIN 1' OF THE OUTSIDE FINISH GRADE. BOTH AREAS REQUIRE A MINIMUM OF 2 VENTS PER AREA ON DIFFERENT WALLS.

I CERTIFY THAT THE BASE FLOOD ELEVATION AS DERIVED FROM THE FIRM FOR COWLITZ COUNTY (S30037 0305D REVISED SEPTEMBER 29, 1989) IS AN ELEVATION OF 13.7 AT 217 MISTY DRIVE AND THAT THE MINIMUM FINISH FLOOR ELEVATION ON THESE PLANS AS REQUIRED PER CITY OF WOODLAND CODE 14.04.05 (B) (1) (a) WILL BE 34.7. THESE ELEVATIONS ARE BASED ON THE ELEVATION OF RM4 (35.08' NGVD 1929 ADJUSTED 1947) AS SHOWN ON THE FIRM. THIS ELEVATION APPLIES ONLY TO THE ELEVATION SHOWN HEREON.

HOWARD S. RICHARDSON PLS 38485

TYPICAL REGION VENT DETAIL

Lot 32 RIVERMIST
217 MISTY DRIVE
WOODLAND, WA 98674



FOUNDATION PLAN

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name	FOR INSURANCE COMPANY USE
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 213 Misty Drive	Policy Number:
City Woodland State WA ZIP Code 98674	Company NAIC Number:

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
 Lot 32, River Mist Subdivision (Vol. 14, Pg. 35)

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

A5. Latitude/Longitude: Lat. 45° 55' 10.35" Long. -122° 43' 30.04" 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)	<u>1790</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>1790</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>410</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>410</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 Cowlitz County 530032		B2. County Name Cowlitz		B3. State WA	
B4. Map/Panel Number 0305	B5. Suffix D	B6. FIRM Index Date Dec. 20, 2001	B7. FIRM Panel Effective/Revised Date 09/29/89	B8. Flood Zone(s) A15	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 33.7'

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: RM4 Vertical Datum: NGVD 1929
 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>32.4</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor	<u>34.7</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>NA</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>X.X</u>	<input 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>X.X</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>33.9</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>33.9</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>X.X</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters

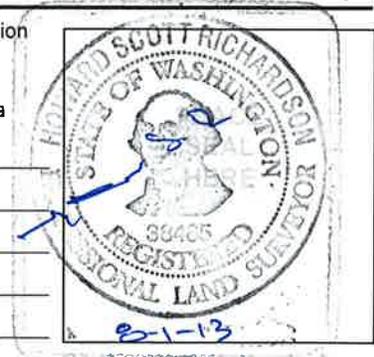
SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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.

Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No

Check here if attachments.

Certifier's Name <u>Howard S. Richardson</u>	License Number <u>38485</u>
Title <u>PLS</u>	Company Name <u>Olson Engineering, Inc</u>
Address <u>1111 Broadway</u>	City <u>Vancouver</u> State <u>WA</u> ZIP Code <u>98660</u>
Signature <u>[Signature]</u>	Date <u>08/01/13</u> Telephone <u>360-695-1385</u>



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. 213 Misty Drive	Policy Number:
City Woodland State WA ZIP Code 98674	Company NAIC Number:

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

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

Comments A5 was taken from GoogleEarth and field verified. C2a was determined by using existing grade on the lot (33.9') and subtracting 1.5' for the footing. C2 e & f are the existing grade on the lot.

Signature  Date 08/01/13

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 pages 8–9 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's or Owner's Authorized Representative's Name _____

Address _____ City _____ State _____ ZIP Code _____

Signature _____ Date _____ Telephone _____

Comments _____

Check here if attachments.

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name _____ Title _____

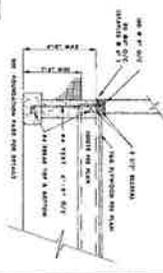
Community Name _____ Telephone _____

Signature _____ Date _____

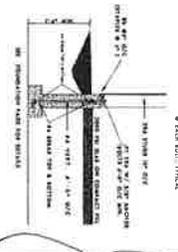
Comments _____

Check here if attachments.

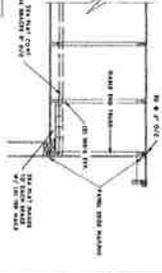
1/2" = 8'-0" (SEE FOUNDATION PLAN FOR DIMENSIONS)
 1/4" = 2'-0" (SEE FOUNDATION PLAN FOR DIMENSIONS)
 1/8" = 1'-0" (SEE FOUNDATION PLAN FOR DIMENSIONS)



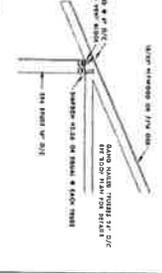
1 CONCRETE WALL AT FLOOR
 SECTION AT FLOOR



2 SEAM AT CONCRETE WALL
 SECTION AT SEAM



3 SECTION AT GABLE END
 SECTION AT GABLE END



4 SECTION AT LAWN
 SECTION AT LAWN

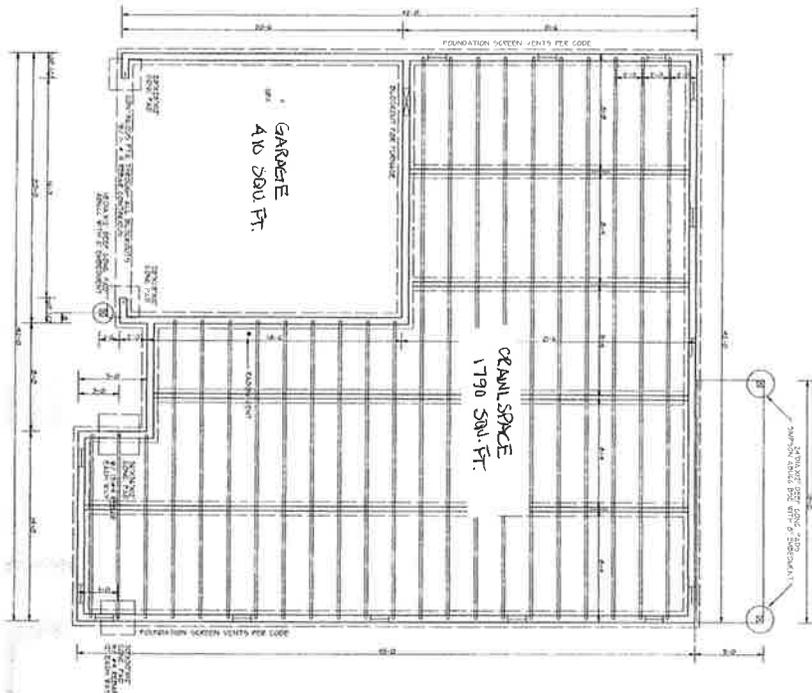
WALL DETAIL



THE LIVING AREA HAS A CRAWLSPACE AREA OF 1790 SQUARE FEET WHICH REQUIRES A MINIMUM OF 1790 SQUARE INCHES OF VENTING LOCATED WITHIN 1' OF THE OUTSIDE FINISH GRADE. THE GARAGE AREA IS 410 SQUARE FEET WHICH WILL REQUIRE A MINIMUM OF 410 SQUARE INCHES LOCATED WITHIN 1' OF THE OUTSIDE FINISH GRADE. BOTH AREAS REQUIRE A MINIMUM OF 2 VENTS PER AREA ON DIFFERENT WALLS.

I CERTIFY THAT THE BASE FLOOD ELEVATION AS DERIVED FROM THE FIRM FOR COWLITZ COUNTY (530032 0305D REVISED SEPTEMBER 29, 1989) IS AN ELEVATION OF 33.7 AT 213 MISTY DRIVE AND THAT THE MINIMUM FINISH FLOOR ELEVATION ON THESE PLANS AS REQUIRED PER CITY OF WOODLAND CODE 14.04.05 (B) (1) (a) WILL BE 34.7. THESE ELEVATIONS ARE BASED ON THE ELEVATION OF RM4 (53.08' NGVD 1929 ADJUSTED 1947) AS SHOWN ON THE FIRM. THIS ELEVATION APPLIES ONLY TO THE ELEVATION SHOWN HEREON.

HOWARD S. RICHARDSON PLS 38485



FOUNDATION PLAN

Lot 33 RIVERMIST
 113 MISTY DRIVE
 WOODLAND, WA 98074



TUSCANY HOMES

DATE	NO.	DESCRIPTION
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10/15/03	3	REVISED PER COMMENTS
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10/15/03	98	REVISED PER COMMENTS
10/15/03	99	REVISED PER COMMENTS
10/15/03	100	REVISED PER COMMENTS

A3

PLAN # 2137 LEFT

330 NW 23rd Street - Ridgefield, WA 98679-3330 - Email: Design@hshp.com - Web: Design@hshp.com

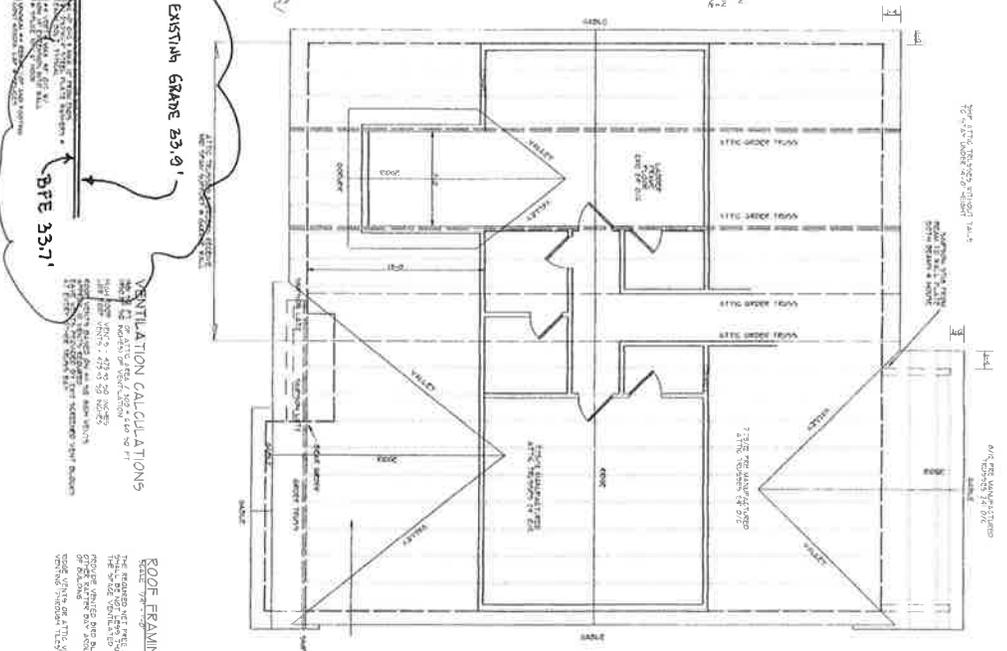
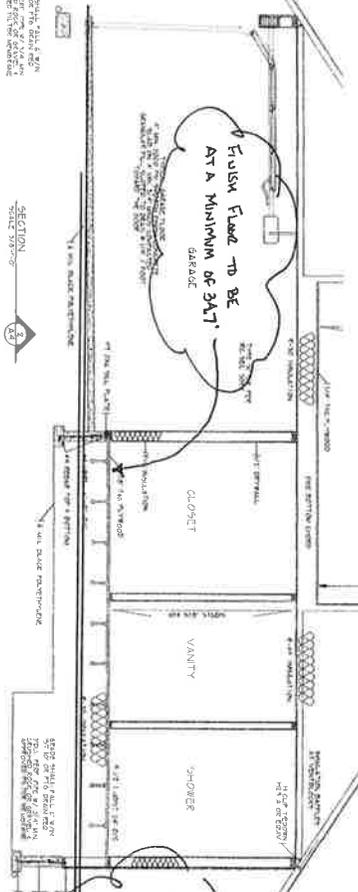
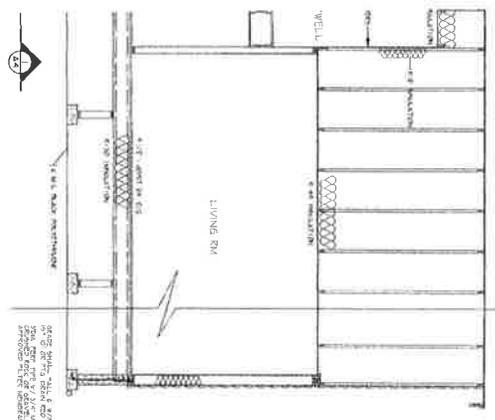
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 330 NW 23rd Street - Ridgefield, WA 98679-3330
 Email: Design@hshp.com - Web: Design@hshp.com

Lot 33 RIVER MIST
213 MISTY DRIVE
WISCONSIN, WI 53074

THE LIVING AREA HAS A CRAWLSPACE AREA OF 1790 SQUARE FEET WHICH REQUIRES A MINIMUM OF 1790 SQUARE INCHES OF VENTING LOCATED WITHIN 1' OF THE OUTSIDE FINISH GRADE. THE GARAGE AREA IS 410 SQUARE FEET WHICH WILL REQUIRE A MINIMUM OF 410 SQUARE INCHES LOCATED WITHIN 1' OF THE OUTSIDE FINISH GRADE. BOTH AREAS REQUIRE A MINIMUM OF 2 VENTS PER AREA ON DIFFERENT WALLS.

I CERTIFY THAT THE BASE FLOOD ELEVATION AS DERIVED FROM THE FIRM FOR COWLITZ COUNTY (530032.0305D REVISED SEPTEMBER 29, 1989) IS AN ELEVATION OF 33.7 AT 213 MISTY DRIVE AND THAT THE MINIMUM FINISH FLOOR ELEVATION ON THESE PLANS AS REQUIRED PER CITY OF WOODLAND CODE 14.04.05 (B) (1) (a) WILL BE 34.7. THESE ELEVATIONS ARE BASED ON THE ELEVATION OF RM4 (35.08' NGVD 1929 ADJUSTED 1947) AS SHOWN ON THE FIRM. THIS ELEVATION APPLIES ONLY TO THE ELEVATION SHOWN HEREON.

HOWARD S. RICHARDSON PLS 38485



ROOF FRAMING PLAN
THE ROOFING IS SHOWN AT THE BOTTOM OF THE PLAN. THE ROOFING IS TO BE 1/2" CDX PLYWOOD SHEATHING OVER 2" X 6" RAFTERS. THE RAFTERS ARE TO BE 24" ON CENTER. THE ROOFING IS TO BE 1/2" CDX PLYWOOD SHEATHING OVER 2" X 6" RAFTERS. THE RAFTERS ARE TO BE 24" ON CENTER.

VENTILATION CALCULATIONS
EXISTING GRADE 23.0'
B.F.E. 33.7'

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LOWER FLOOR	135 50 FT
UPPER FLOOR	735 50 FT
TOTAL AREA	870 00 FT
PLAN #	2137 LEFT

TUSCANY HOMES

330 HW 1796 Street, Edgewater, VA 75360-093-509 Email: Design@hobby.com Web: Design@hobby.com

