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

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
Policy Number
Company NAIC Number

A1. Building Owner's Name na Windsor Rock Products

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
8415 Windsor Island Road N

City Salem State Or ZIP Code 97303

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
T6S; R3W; Section 21; Tax lot 100

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

A5. Latitude/Longitude: Lat. 45.04 Long. 123.05 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 1A

A8. For a building with a crawlspace or enclosure(s):
- a) Square footage of crawlspace or enclosure(s) 2000 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 2007 sq in
- d) Engineered flood openings? ☒ Yes ☐ No

A9. For a building with an attached garage:
- a) Square footage of attached garage NA sq ft
- b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade NA
- c) Total net area of flood openings in A9.b NA 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
MarionCounty Unincorporated Areas 410154	Marion County	Oregon

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)
41047C0200	G	Jan 2,2003	Jan 19,2000	A	Unknown

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: NA Vertical Datum: NA

Indicate elevation datum used for the elevations in items a) through h) below. ☐ NGVD 1929 ☐ NAVD 1988 ☐ Other/Source: NA
Datum used for building elevations must be the same as that used for the BFE.

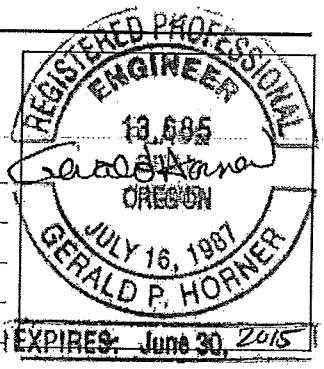
		Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	NA	☐ feet	☐ meters
b) Top of the next higher floor	NA	☐ feet	☐ meters
c) Bottom of the lowest horizontal structural member (V Zones only)	NA	☐ feet	☐ meters
d) Attached garage (top of slab)	NA	☐ feet	☐ 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)	NA	☐ feet	☐ meters
g) Highest adjacent (finished) grade next to building (HAG)	NA	☐ feet	☐ meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	NA	☐ feet	☐ 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.
☐ Check here if attachments.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☐ Yes ☒ No



Certifier's Name Gerald Horner		License Number 13685
Title President	Company Name Willamette Engineering	
Address PO Box 9032	City Salem	State Or ZIP Code 97305
Signature	Date 05-28-2014	Telephone 503-304-0905

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. 8415 Windsor Island Road N	Policy Number
City Salem State Or ZIP Code 97303	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 None

Signature Gerald Homer Date 05-28-14

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 0.40 ☒ feet ☐ meters ☒ above or ☐ below the HAG.
b) Top of bottom floor (including basement, crawlspace, or enclosure) is 0.40 ☒ 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 NA. ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E3. Attached garage (top of slab) is NA. ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is 1.00 ☒ 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 Willamette Engineering

Address PO Box 9032 City Salem State Or ZIP Code 97305

Signature Gerald Homer Date 05-28-14 Telephone 503-304-0905

Comments I have visited the site in preparation of this report.

☒ 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.

WILLAMETTE ENGINEERING, INC.
SALEM, OREGON
PH: 503-304-0905, FAX: 503-304-9512

PROJECT WINDSOR ISLAND ROCK
SITE AND BUILDING PLAN
BY JERRY HORNER

JOB NO 2013-122
DATE 11/20/13
PAGE 7 OF 7

FLOW THROUGH CALCULATION

SIZE REQUIREMENT- MCC 17.178.060.A.8.e

1 SQ. INCH FOR EVERY SQ. FOOT ENCLOSED

BUILDING SIZE- $40 \times 50' = 2000 FT^2$

OPEN AREA- $(2000 FT^2)(1" PER FOOT) = 2000$ SQ. IN

USING 5" HEIGHT OPENING

12 MESH SCREEN
SCREEN- 51% NET

$$\frac{2000 \text{ SQ. IN}}{(0.51)5" \text{ HIGH}} = 784" \text{ LONG} = 65.4' \text{ LONG}$$

PROVIDED:

REAR- 30'
LEFT- 36'

TOTAL- $66' > 65.4'$ - OK

REGISTERED PROFESSIONAL ENGINEER
13,685
OREGON
JULY 15, 1987
GERALD P. HORNER

EXPIRES: June 30, 2015

THE BUG BLOCKER® PRODUCT FAMILY

1-800-537-3802

Survey Forms

"Let the fresh air in and keep the pests out!"

What Mesh Size do I Need?

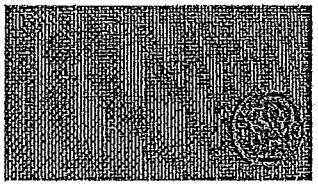
We are often asked which mesh do I need? The answer is: There are many choices we have for you to look at depending on the individual needs for your building. Rasco Industries Bug Blocker Doors motto is "Doors of Excellence." We want you to find the perfect fit for your application. We have listed a variety of our most popular stainless steel mesh options for you to consider.

Providing Strength and Security the stainless steel mesh will give you years of service in keeping unwanted intruders and bugs out. What makes us unique is each door is custom made to your specifications. In the world of food manufacturing and food packaging facilities our most popular screen mesh is the 12 mesh.

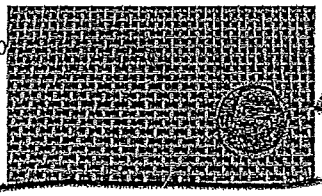
Providing Security and Pest Control for the majority of bug classes, birds and other pests as tested by the USDA agricultural research service. In facilities with larger quantities of flour, rice or grains many times these customers are requesting the 30 mesh screen to keep out the teeny tiny "no seeums" such as the sawtooth grain beetle, and the lesser grain borer Rhyzopertha Dominica. The 30 mesh is an excellent proven minuscule insect barrier. We recommend if you need help in keeping out the majority of bug classes and security from human intruders the 12 mesh should be your choice. Watch the video of keeping bad guys out, they are using an axe on a 12 mesh screen.

New designs we have that are gaining in popularity is the Stainless Steel expanded metal and the Stainless steel expanded metal with the addition of 30 mesh. The Stainless steel expanded metal is another option for you to consider if you like the look and security (used by the military) of expanded metal. With the addition of the 30 mesh you get not only the strength but the added benefit of keeping even the smallest insect class out of our your facility. Chain Link is our ever popular security only door. Affordable with excellent inventory control while keeping the bad guys out.

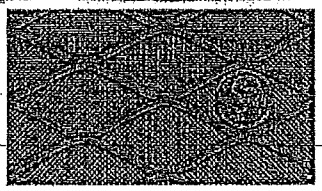
The following are detailed identification of the different types & sizes of mesh that we offer here at Rasco Bug Blocker to solve all of you bug and human intruder problems.



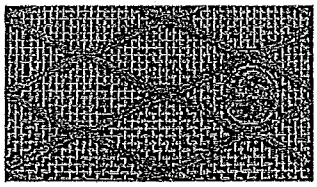
30 mesh/0.011 0.0223 opening
44.8% free area Bug Blocker only



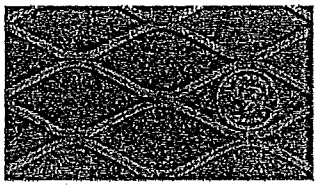
12 mesh/0.023 0.0603 opening 51.8% free area Security and Bug Blocker



304 Stainless Steel 3/4", Expanded Metal with 30 mesh/ 0.011 Bug Blocker & Security



304 Stainless Steel 3/4", Expanded Metal with 12 mesh/ 0.023 Bug Blocker & Security



304 Stainless Steel 3/4", Expanded Metal 80% free area

Security with Insect / Pest Control:

(Inventory control and pest barrier for most bug classes, rodents, mammals, birds, bats, and human intruders)

See the **12 mesh and Expanded Metal with Mesh** option photos.

Security:

(Inventory control and a barrier for small mammals and human intruders)

See **Chain Link and Expanded Metal** photos.

Insect/Pest Control Only:

(includes sawtooth grain beetle, and Rhyzopertha Dominica)

See the 30 mesh photo.