

# 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 Valerie Geisler		FOR INSURANCE COMPANY USE	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 233 Simpson Avenue		Policy Number:	
City Ocean City	State NJ	Company NAIC Number:	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Block 213, Lot 4			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>			
A5. Latitude/Longitude: Lat. <u>N 39° 17' 14.8"</u> Long. <u>W 074° 34' 12.2"</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>6</u>			
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) <u>709</u> sq ft		a) Square footage of attached garage <u>631</u> sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>5</u>		b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>4</u>	
c) Total net area of flood openings in A8.b <u>1000</u> sq in		c) Total net area of flood openings in A9.b <u>800</u> sq in	
d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

## SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number Ocean City 345310		B2. County Name Cape May		B3. State New Jersey	
B4. Map/Panel Number 0001	B5. Suffix C	B6. FIRM Index Date 7/15/1992	B7. FIRM Panel Effective/Revised Date 9/5/1984	B8. Flood Zone(s) A-7	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 10.00

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: PID JU0486 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.

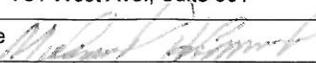
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<u>6.30*</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
b) Top of the next higher floor	<u>16.17*</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u>	<input type="checkbox"/> feet	<input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>6.08</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>12.42*</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>5.90</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>6.23</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 type="checkbox"/> feet	<input type="checkbox"/> meters

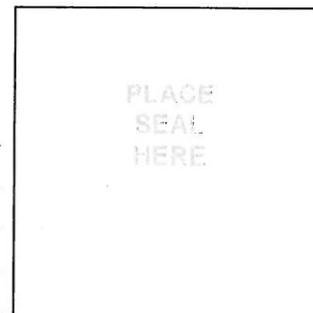
## SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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 Michael W. Hyland, P.E & L.S.		License Number 20509	
Title Prof. Land Surveyor	Company Name Hyland Design Group, Inc		
Address 701 West Ave., Suite 301	City Ocean City	State NJ	ZIP Code 08226
Signature 	Date 8/07/2013	Telephone 609-398-4477	



ELEVATION CERTIFICATE, page 2

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. Policy Number:
233 Simpson Avenue
City Ocean City State NJ ZIP Code 08226 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 A8d. & A9d. Engineered Flood Openings: Dual Function Smart Vent (Model No. 1540-510) Manufactured by Smart Vent Products, Inc
C2. The benchmark for the Certificate "JU0486 USC&GS OC Primary" Elev = 8.74 (NAVD 1988). Datum Conversion to NGVD 1929 per the attachment; see www.agc.army.mil/corpscon for further information as to the methodology.

C2a. Enclosure Area Elev 6.30
C2b. Main Floor Elev 16.17
C2e. Lowest Mechanicals Exterior AC Condenser Elev 12.42

Signature [Handwritten Signature]

Date 8/07/2013

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 20130556 G5. Date Permit Issued 3/13/13 G6. Date Certificate Of Compliance/Occupancy Issued 9/9/13

- 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.

# Building Photographs

See Instructions for Item A6.

**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.  
233 Simpson Avenue

Policy Number:

City Ocean City State NJ ZIP Code 08226

Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



View: Front / Left Side

# Building Photographs

Continuation Page

**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.  
233 Simpson Avenue

Policy Number:

City Ocean City

State NJ

ZIP Code 08226

Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.



View: Rear / Right Side

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# Hyland Design Group, Inc.

## Ocean City Primary JU0486

27 February 2013

### INPUT

State Plane, NAD83  
2900 - New Jersey, U.S. Feet  
Vertical - NAVD88, U.S. Feet

### OUTPUT

State Plane, NAD27  
2900 - New Jersey, U.S. Feet  
Vertical - NGVD29 (Vertcon94), U.S. Feet

*Accuracies of conversions from NAD 83 to NAD 27 are typically 12 to 18 cm.*

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### JU0486

1/1

Northing/Y: 163459

Easting/X: 473521

Elevation/Z: 8.74

Convergence: -0 02 29.81350

Scale Factor: 0.999900396

Combined Factor: 0.999905406

Northing/Y: 163434.986

Easting/X: 2028459.990

Elevation/Z: 10.020

Convergence: 0 03 49.15742

Scale Factor: 0.999975956

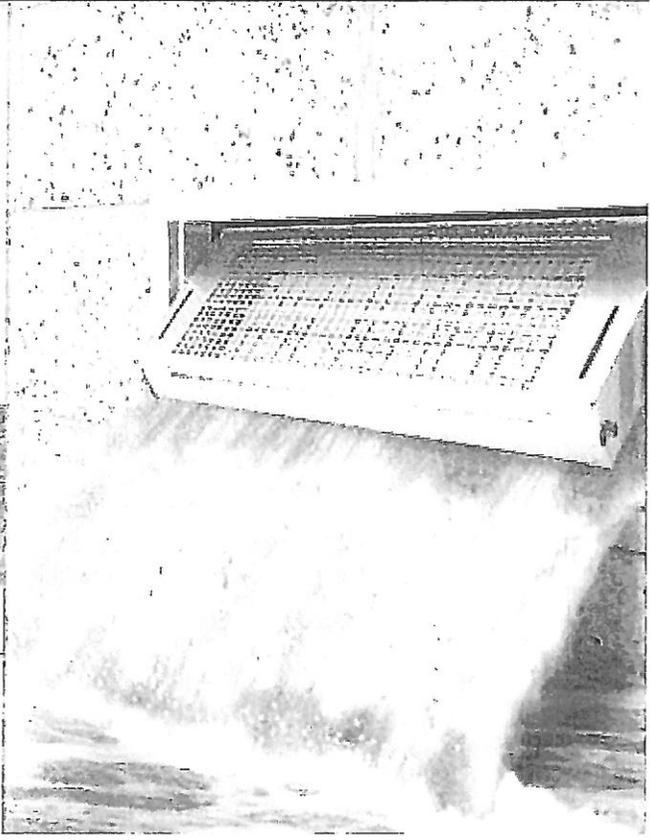
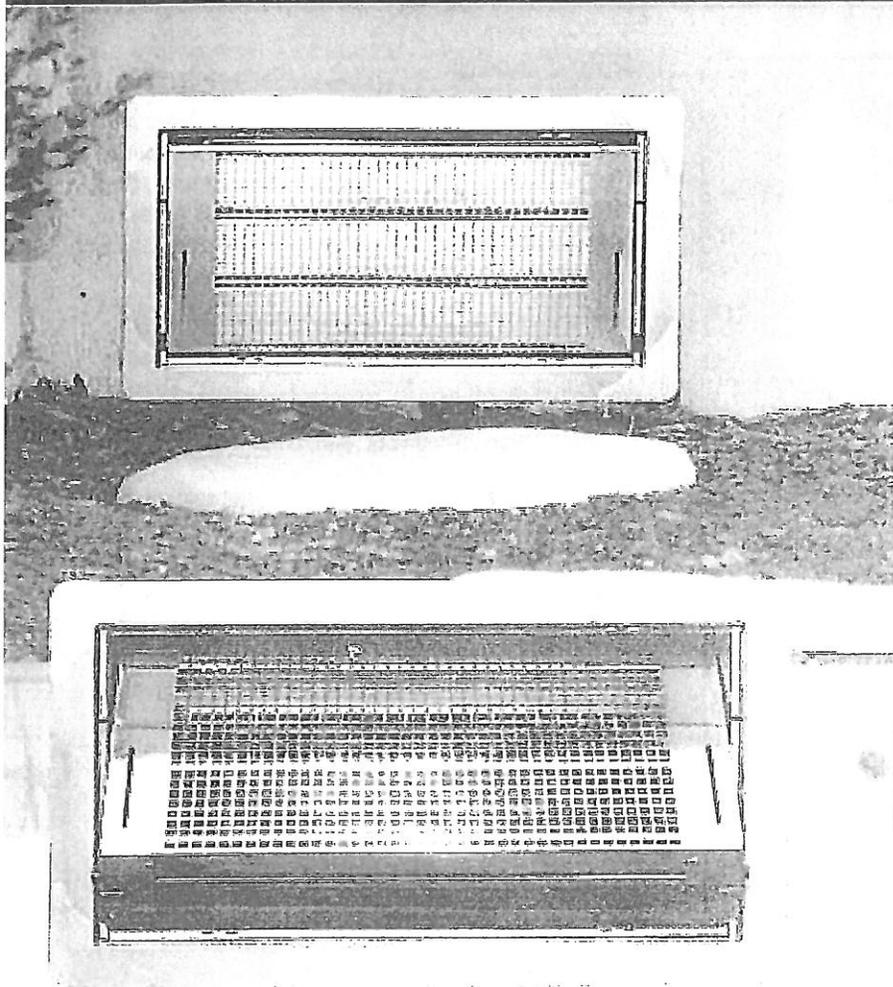
Combined Factor: 0.999975476

Grid Shift (U.S. ft.): X/Easting = 1554939.0, Y/Northing = -24.0

Datum Shift (m.): Delta Lat. = -12.840, Delta Lon = 34.542

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Remark:



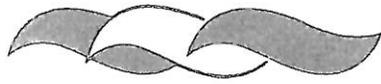
## Dual Function SMART VENT® Superior Flood Protection and Natural Air Ventilation

ICC-ES Evaluated and  
FEMA Accepted Foundation Flood Vents

- Potential savings on homeowner's NFIP premiums
- Preserves aesthetic beauty of a home by requiring 2/3 less vents
- Each vent certified to protect 200 sq. ft. of your home
- Code Compliant, FEMA accepted, ICC-ES Evaluated
- All Stainless Steel construction meets or exceeds flood and corrosion resistance code requirements
- Patented automatic floats release bi-directional flood door
- Temperature controlled louvers automatically open in warm weather and close in cold weather

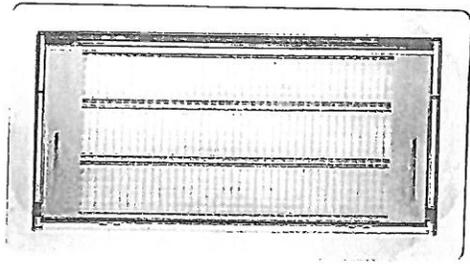
One 16" x 8" vent is certified to cover 200 square feet of enclosed area for flood protection and 51 square inches for ventilation

SMART VENT® models are certified to provide flood protection and ventilation. This model is used for a home with a crawl space or any enclosed area that desires natural air ventilation and flood protection. All stainless steel construction resists weather and pest.



SMART VENT

www.smartvent.com • 877-441-8368



**Model #:** 1540-510

**Installation Type:** Masonry Wall

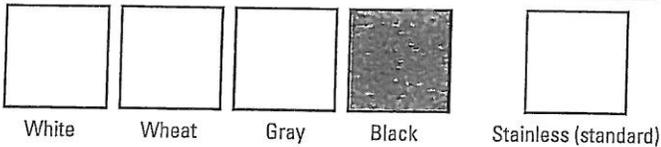
**Style:** louvered

**Dimensions:** 16" x 8"

**Rough Opening:** 16¼" x 8¼" (one block, or CMU)

**Finish:** Stainless Steel (Standard)

**Available Powder Coat Colors For Special Order:**



**Optional Accessories:**

Fire Damper, Interior Trim Flange & Inner Sleeve, Rain Shield

**Other Models Available:** Insulated FLOOD VENT, Overhead Garage Door Model, Stacked and Quad Configurations, Models for Wood Studded Wall Applications and Pour in Place Buck Systems.

**There's more online at [www.smartvent.com](http://www.smartvent.com)**

Dealer Locator, Installer Locator, Cad Drawings, Installation Instructions, Technical Specifications, Frequently Asked Questions, Videos, Testimonials, Resource Library Database, Insurance Forms.



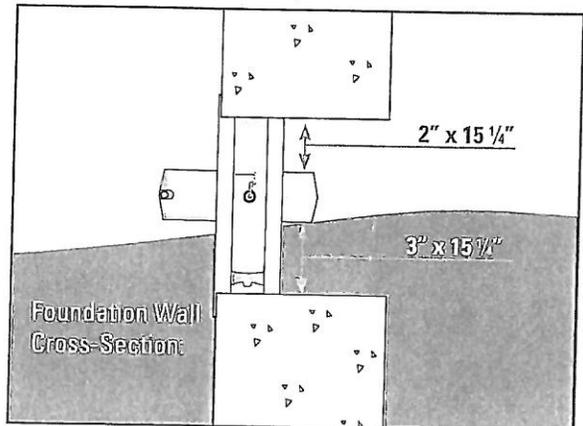
Rapidly rising floodwater can put extreme pressure on the foundation walls causing improperly vented structures to buckle and collapse. SMART VENTS® quickly and efficiently equalize the pressure and minimize damage.

**How it works:**

**Flood Protection:** The SMART VENT® door is latched closed until flood water enters. Entering flood water lifts the patented internal floats which unlatches and rotates the door open. This allows the flood water to automatically enter and exit through the frame opening, relieving the pressure from your foundation walls.

**Ventilation:** A bimetal coil (like a thermostat, no electricity is needed) automatically opens and closes the ventilation louvers as temperature changes. They will be closed when it is freezing outside and open when it is warm outside to provide natural ventilation.

**Important note:** SMART VENT® does not rely on the louvers to let floodwater in and out. Regardless of the louvers' position, opened or closed, when floodwater flows into the door, the internal floats release the door to rotate open to relieve the hydrostatic pressure. The louvers and pest screen are rotated out of the path of the floodwater. The temperature-controlled louvers are for ventilation purposes only.



**How does one SMART VENT® provide so much coverage?**

You may have heard that FEMA requires that flood openings provide one square inch of opening per one square foot of enclosed area, referring to dimensions of the opening in proportion to the space to be vented. This is only partially correct. FEMA's regulations and guidelines do state that a non-engineered flood vent solution must (among other requirements) provide one square inch of opening per square foot of enclosed area to be vented. However; all SMART VENT® products are ICC-ES certified engineered openings. They have been designed, engineered, tested, rated, and certified to provide flood relief so efficiently that only one unit is needed for 200 square feet of enclosed area. It would be our pleasure to contact your code official, surveyor, or insurance agent if they require more information.