

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION

114/15 ✓
A1. Building Owner's Name Q M A Design + Build
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
116 North Thirty Sixth Avenue
City Borough of Longport State NJ ZIP Code 08403
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Block 114 Lot 15
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential-Two Story Frame
A5. Latitude/Longitude: Lat. 39 19' 18" Long. 74 31' 14"
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.
A7. Building Diagram Number 8

For Insurance Company Use:

Policy Number

Company NAIC Number

JAN 19 2010

(new home)

BOROUGH OF LONGPORT
CONSTRUCTION OFFICE

Horizontal Datum: NAD 1927 NAD 1983

A8. For a building with a crawlspace or enclosure(s):
a) Square footage of crawlspace or enclosure(s) 924 sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 5
c) Total net area of flood openings in A8.b 640 sq in
d) Engineered flood openings? Yes No *SEE notes*

A9. For a building with an attached garage:
a) Square footage of attached garage N/A sq ft
b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade N/A
c) Total net area of flood openings in A9.b N/A sq in
d) Engineered flood openings? Yes No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number
Borough of Longport 345302

B2. County Name
Atlantic

B3. State
NJ

B4. Map/Panel Number
0001

B5. Suffix
B

B6. FIRM Index Date
08/15/1983

B7. FIRM Panel Effective/Revised Date
08/15/1983

B8. Flood Zone(s)
A8

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 (Describe) _____

B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other (Describe) _____

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. Use the same datum as the BFE.

Benchmark Utilized Private Benchmark Vertical Datum 1929

Conversion/Comments _____

Check the measurement used.

- a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 7.7 feet meters (Puerto Rico only)
b) Top of the next higher floor 12.00 feet meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) N/A feet meters (Puerto Rico only)
d) Attached garage (top of slab) N/A feet meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 10.2 feet meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) 7.5 feet meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) 7.9 feet meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support N/A feet meters (Puerto Rico only)

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

Certifier's Name Robert J. Catalano Professional Land Surveyor and Planner License Number 18612

Professional Land Surveyor Company Name Robert J. Catalano and Associates P.A.

Address 12 South Virginia Avenue City Atlantic City State NJ ZIP Code 08401

Signature [Signature] Date 11/10/2009 Telephone 609-345-1887

PLACE
SEAL
HERE

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. 116 North Thirty Sixth Avenue	Policy Number
City Borough of Longport State NJ ZIP Code 08403	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

All elevations refer to N.G.V.D.(1929 datum) maintained benchmarks by Robert J. Catalano and Associates. Flood openings shown in sections A8 and A9, if any are the gross opening area. These values may be increased in accordance with FEMA Technical Bulletin I-93, or decreased as shown on Field Notes by Robert J. Catalano and Assoc. See check box lower right. Lowest part of machinery is either the HVAC unit or duct work.

[Handwritten Signature]
Signature

Date 11/10/2009

Check here if attachments

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 HAG.
- 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 and G9.

- 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-G9) 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 (PR) Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters (PR) Datum _____
- G10. Community's design flood elevation _____ feet meters (PR) Datum _____

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

Check here if attachments

Building Photographs

See Instructions for Item A6.

building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 116 North Thirty Sixth Avenue	For Insurance Company Use: Policy Number
City Borough of Longport State NJ ZIP Code 08403	Company NAIC Number
If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two 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." If submitting more photographs than will fit on this page, use the Continuation Page on the reverse.	

Front View Date Taken: 11/10/2009



Rear View Date Taken: 11/10/2009



Vents (5) Date Taken: 11/10/2009- All 5 vents are Smart Vents Certified for 200 S.F. Each or 1,000 S.F. Total





FEMA

NOV 21 2003

Michael Graham
General Manager, SmartVENT
200 Warrick Avenue
Glassboro, NJ 080208

Dear Mr. Graham:

I am writing in response to your letter of August 11, 2003 to Paul Tertell, an engineer on my staff. Your letter concerns the use of engineered openings in foundation walls in Special Flood Hazard Areas and the use of the SmartVENT product. Your letter states that there is a lack of awareness that flood openings can be engineered and certified. In addition, you make specific suggestions concerning: 1) the elevation certificate, 2) NFIP Insurance Agents Manual, and 3) a Broadcast Advisory to NFIP Stakeholders. Enclosed in your letter is an evaluation report, NER-624, that addresses the flood vents that your company manufactures. With the transition to the International Building Codes, the International Code Council (ICC) Evaluation Services now issues evaluation reports. NER-624 is a legacy report from the transition from the National Evaluation Service to the ICC Evaluation Service.

Concerning your suggestions about increasing the awareness of engineering openings, FEMA will consider your suggestions, but may determine that another course of action is more appropriate. We will keep you apprised as to our decision in this matter but please understand that we are prohibited from promoting or helping to market specific products. However, I would like to discuss the information you have provided about the SmartVENT products.

Evaluation reports are often used by building officials as evidence of the compliance of a specific product or material with the requirements of a model building code or standard. As with all evaluation reports, the local building official, or the authority having jurisdiction, makes the final determination as to the appropriateness and acceptability of using the material or product in a specific application.

Communities that participate in the National Flood Insurance Program (NFIP) must adopt and enforce ordinances that meet or exceed requirements described in 44 CFR. The NFIP regulations require that all enclosures below the Base Flood Elevation (BFE) in A zones be designed to allow for the automatic equalization of hydrostatic forces during a flood event. Section 60.3(c)(5) of the NFIP regulations states that a community shall:

Require, for all new construction and substantial improvements, that fully enclosed areas below the lowest floor that are used solely for parking of vehicles, building access, or storage in an area other than a basement and which are subject to flooding shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must either be certified by a registered professional engineer or architect or meet or exceed the following minimum criteria: A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided. The bottom of all openings shall be no higher than one foot above grade. Openings may be equipped with screens, louvers, valves, or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.

More detailed guidance on meeting this requirement is provided in FEMA NFIP Technical Bulletin 1-93, Openings in Foundation Walls.

The Federal Emergency Management Agency (FEMA) has determined that this evaluation report, NER-624, is sufficient to demonstrate the following:

If determined appropriate by the authority having jurisdiction and when used under the conditions of use described in NER-624, the two products, Model #1540-520 and #1540-510, meet the minimum NFIP floodplain management requirements (CFR 60.3 (c)(5)) with respect to flood openings for enclosed areas for the purpose of equalizing hydrostatic pressure resulting from flooding.

Specifically, the jurisdiction may use this report to determine that the flood flow rate permits one vent to vent up to 200 square feet of enclosed area. This acceptance, on the part of FEMA in no way alters other conditions required for flood openings as called for in the NFIP regulations, local floodplain ordinances and building codes, as well as applicable national standards (such as ASCE 24-98), and model building codes, such as the International Code Council Building Code Series. These requirements include, but are not limited to, having at least two flood opening vents for every enclosed area and placing the bottom of such vents no more than 12 inches above grade.

Thank you for sending us information concerning this new evaluation report and for your commitment to developing products intended to reduce future exposure to flood damage.

Sincerely,



Clifford E. Oliver
Special Assistant to the Director
Mitigation Division

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