

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

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 ROXANNE LOVE	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 16109 3RD STREET EAST	Company NAIC Number:
City REDINGTON BEACH	State Florida
	ZIP Code 33708
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT 3 & SOUTHERLY 3 FEET OF LOT 2, BLOCK 9, FIRST ADDITION TO REDINGTON BEACH, PLAT BOOK 22, PAGE 3	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>	
A5. Latitude/Longitude: Lat. <u>N27 Deg 48'46.29"</u> Long. <u>W82 Deg 48'48.53"</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>7</u>	
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s) <u>1,627.4</u> sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>11</u>	
c) Total net area of flood openings in A8.b <u>1,305.4</u> sq in	
d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
A9. For a building with an attached garage:	
a) Square footage of attached garage <u>0</u> sq ft	
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>0</u>	
c) Total net area of flood openings in A9.b <u>0</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 Pinellas County, Redington Beach 126140			B2. County Name Pinellas		B3. State Florida
B4. Map/Panel Number 12103C0187	B5. Suffix G	B6. FIRM Index Date 08/18/2009	B7. FIRM Panel Effective/ Revised Date 09/03/2003	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 11

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

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OMB No. 1660-0008
Expiration Date: November 30, 2018

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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: Redington Beach RM 2 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) | 4.2 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor | 14.3 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only) | N/A | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| d) Attached garage (top of slab) | N/A | <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) | 12.79 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | 3.3 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | 3.7 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support | 3.3 | <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 Paul A. Collins	License Number PSM 4287	Place Seal Here
Title Professional Surveyor & Mapper		
Company Name Cardinal Surveying of Florida LLC		
Address 9617 Delray Drive		
City New Port Richey	State Florida	
Signature Paul A Collins	Date 02/01/2018	Telephone (727) 859-9313

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Comments (including type of equipment and location, per C2(e), if applicable)
Section C2e: Information shown is elevation of air conditioner deck.
Elevation of pool equipment pad = 4.6 feet.
Inside stair landing is 53 square feet with a floor elevation of 6.57 feet
At ground floor level there is an enclosed area used for storage and stair well. Square feet = 112.5' with a floor elevation of 4.02.
Section C2h: information shown is ground elevation adjacent to pool deck.
See enclosed herewith copy of Survey
See enclosed herewith Engineer's Flood Opening Certificate.

BUILDING PHOTOGRAPHS

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See Instructions for Item A6.

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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.



Photo One

Photo One Caption Front 02/01/2018



Photo Two

Photo Two Caption Rear 02/01/2018

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BUILDING PHOTOGRAPHS

Continuation Page

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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.



Photo One

Photo One Caption Left Side 02/01/2018



Photo Two

Photo Two Caption Right Side 02/01/2018

Engineered Flood Openings Certificate

To satisfy requirements of the National Flood Insurance Program

This certification must be submitted to, and kept on file by, the local jurisdiction's permit authority. A copy should be retained by the owner to demonstrate compliance in order to receive flood insurance rating.

The Cooke Vent 01 is certified as meeting the flood openings requirements for engineering openings as set forth in the Federal Emergency Management Agency's National Flood Insurance Program regulations (44CFR 60.3(c)(5)) and ASCE 24-14, provided it is installed according to the references, as summarized below. Flood openings are required in enclosures below elevated buildings, attached and detached garages, and accessory structures that meet the required limitations.

I do hereby certify that the Cooke Flood Vent 01 is designed for installation in buildings, will allow for the automatic equalizing of hydrostatic flood forces on exterior walls by allowing for the automatic entry and exit of flood water during floods up to and including the base(100-year) flood. One Cooke Vent for every 238 Sq.Ft. of enclosed area will provide sufficient hydrostatic pressure equalization during a flood provided the installation limitations and instructions are followed as listed below. To calculate the required number of Cooke Vents divide the Square Feet of enclosed area by 238.

*Required Fields

Signature: *Antonio Ancona* 5/13/2016
Antonio Ancona, P.E. Date

Title: Consulting Engineer

Type of License: Professional Engineer

License Number MD PE 10894

*Project Name _____
*Project Address _____
*Date Submitted _____



Professional Seal

Installation Limitations and Instructions

1. The bottom of the vent shall be no higher than 12" from finished grade.
2. There shall be appropriate number of vents per foundation as needed to supply 1 square inch of net free space for 2.424 square feet of enclosed space for maximum rate of rise and fall of 5ft/hr or less. The flood protection area per inch of opening can be increased, per engineering calculation, for rate of rise and fall less than 5ft/hr, and the flood area per inch of opening shall be reduced, per engineering calculations, if the rate of rise and fall is greater than 5ft/hr.
3. The flood vents shall not be used for crawl space ventilation.
4. And, the vents shall not be restricted as to the operation of the drop out panel, this panel must be able to drop out freely at all times. A vent visual is to be performed after the initial installation of the vents, after completion of all building work or site grading done after the installation of the vents to ensure that the vent panel is free to drop out.
5. The flood vent openings are designed to automatically equalize hydrostatic flood loads on exterior walls by allowing entry and exit of flood waters in accordance with Engineered openings.
6. Note that Ancona and Associates, Inc., its employees, and any Ancona and Associates, Inc. associates do not assume any risk or liability for the flood vent or the vent installation, and makes no warranty of any kind, express or implied, with regard to the vents, or installation of the vents, unless Ancona and Associates, Inc. representative inspects and approves the vent installation

