

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

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

SECTION A - PROPERTY INFORMATION

Building Owner's Name **GARY LAABS & DIANE LAABS** State FL ZIP Code 33708

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
17610 LEE AVENUE

City **REDINGTON SHORES**

FOR INSURANCE COMPANY USE

Policy Number: _____

Company NAIC Number: _____

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
LOT 11, HARBOR SHORES SUBDIVISION

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

A5. Latitude/Longitude: Lat. 27.8255 N Long. -082.8301 W 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) 1,064 sq ft
 b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 4
 c) Total net area of flood openings in A8.b 792 sq in
 d) Engineered flood openings? Yes No

A9. For a building with an attached garage:
 a) Square footage of attached garage N/A sq ft
 b) Number 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
TOWN OF REDINGTON SHORES 125141

B2. County Name
PINELLAS COUNTY

B3. State
FLORIDA

B4. Map/Panel Number 12103C 0179	B5. Suffix G	B6. FIRM Index Date 8/18/2009	B7. FIRM Panel Effective/Revised Date 9/3/2003	B8. Flood Zone(s) VE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 13, 14, 16
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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: _____
 Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes No
 Designation Date: N/A

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, AR/AC. Complete items C2.a-h below according to the building diagram specified in item A7. In Puerto Rico only, enter meters.
 Benchmark Utilized: **NGS REDINGTON B**
 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.	feet	meters
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<input checked="" type="checkbox"/>	<u>7.51</u>	<input type="checkbox"/>
b) Top of the next higher floor	<input checked="" type="checkbox"/>	<u>17.65</u>	<input type="checkbox"/>
c) Bottom of the lowest horizontal structural member (V Zones only)	<input checked="" type="checkbox"/>	<u>16.11</u>	<input type="checkbox"/>
d) Attached garage (top of slab)	<input type="checkbox"/>	<u>N/A</u>	<input type="checkbox"/>
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	<input checked="" type="checkbox"/>	<u>16.76</u>	<input type="checkbox"/>
f) Lowest adjacent (finished) grade next to building (LAG)	<input checked="" type="checkbox"/>	<u>6.98</u>	<input type="checkbox"/>
g) Highest adjacent (finished) grade next to building (HAG)	<input checked="" type="checkbox"/>	<u>7.18</u>	<input type="checkbox"/>
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<input checked="" type="checkbox"/>	<u>7.08</u>	<input type="checkbox"/>

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

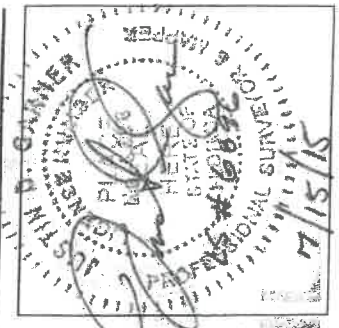
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available.
 Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No
 Check here if attachments.

Surveyor's Name **JUSTIN D. GARNER** License Number **6896**

Professional Title **LICENSED SURVEYOR** Company Name **FLORIDA ENGINEERING & SURVEYING LLC**

Address **631 N. TAMIAH TRAIL** City **NOKOMIS** State **FL** ZIP Code **34275**

Signature *Justin D. Garner* Date **7/15/15** Telephone **941-485-3100**



ELEVATION CERTIFICATE, page 2

IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
17610 LEE AVENUE

FOR INSURANCE COMPANY USE

Policy Number:

REDINGTON SHORES

State FL ZIP Code 33708

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 SEE ADDITIONAL COMMENTS

Signature  Date 7/15/15

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 8-9 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.
Party 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.

Building Photographs

Continuation Page

IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 10 LEE AVENUE		FOR INSURANCE COMPANY USE Policy Number:
City REDINGTON SHORES	State FL	Company NAIC Number:
ZIP Code 33708		

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.



RIGHT SIDE VIEW
6/25/15

0000

Building Photographs

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
0 LEE AVENUE

City REDINGTON SHORES

State FL ZIP Code 33708

FOR INSURANCE COMPANY USE

Policy Number:

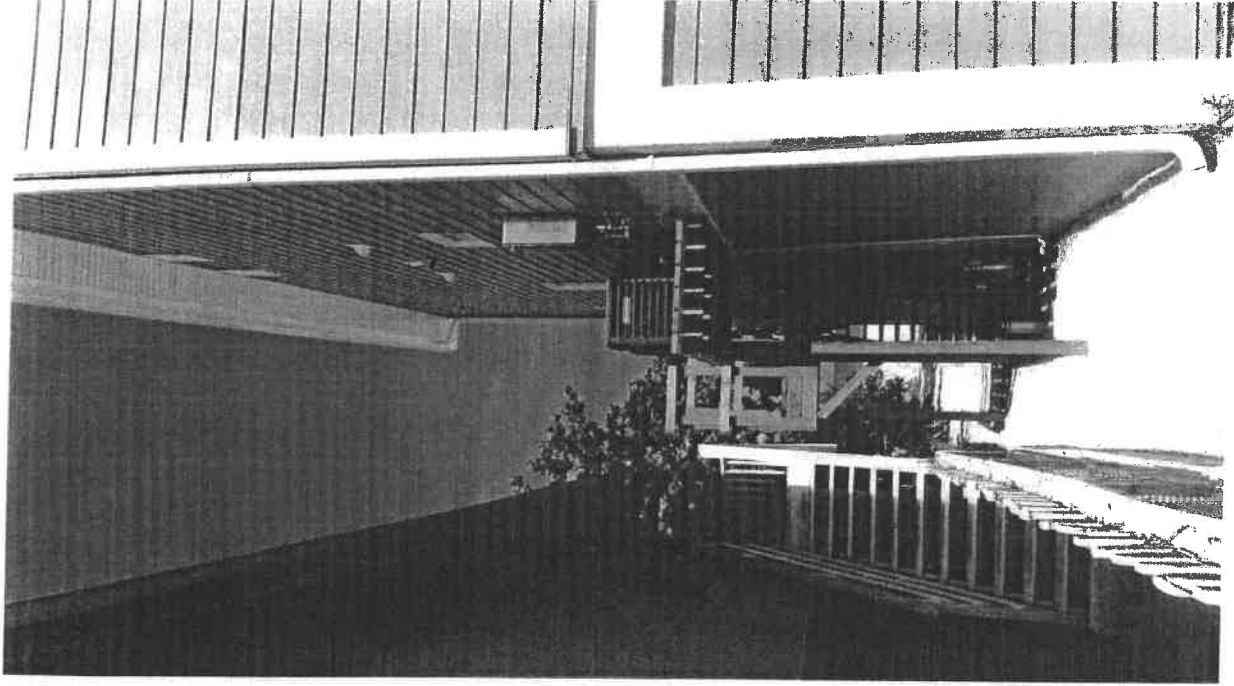
Company NAIC Number:

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.



FRONT VIEW
 6/25/15

0161



LEFT SIDE VIEW
6/25/15

ADDITIONAL COMMENTS:

THE BENCHMARK UTILIZED FOR THIS CERTIFICATE WAS A NATIONAL GEODETIC SURVEY BENCHMARK, REDINGTON B, ELEVATION=3.81 FEET, N.A.V.D. 1988. THE ELEVATIONS SHOWN IN SECTION C REFERENCE N.A.V.D. 1988.

THE A/C UNIT IS THE LOWEST MACHINERY SERVICING THE BUILDING AND IS LOCATED ON THE LEFT SIDE OF THE RESIDENCE ON AN ELEVATED WOOD PLATFORM.

THE ENCLOSURE BELOW THE ELEVATED FLOOR IS USED AS STORAGE, PARKING AND ACCESS AND HAS BREAKAWAY WALLS.

THERE ARE (4) FLOOD OPENINGS LOCATED ON THE ENCLOSURE FLOOR LEVEL. 18"x11" OPENINGS, TOTAL 792 SQUARE INCHES.

ALL LATITUDE AND LONGITUDE WERE OBTAINED USING A HAND HELD GPS DEVICE AND IS ACCURATE TO 18 FEET PLUS/MINUS.

C P L L

National Flood Insurance Program V-Zone Certificate For Registered Engineers and Architects

Name GARY LAASC Policy Number (Insurance Co. Use) _____
Building, Address or Other Description 17610 LEE AVE
City REDINGTON BEACHES State FL Zip Code 33708

SECTION I: Flood Insurance Rate Map (FIRM) Information
Community Number 125141 Panel Number Y 12103C0179 Suffix G Date of FIRM Index 9-3-03 FIRM Zone VE

SECTION II: Elevation Information

1. Elevation of the Bottom of Lowest Horizontal Structural Member 15.25 feet (NGVD)
2. Base Flood Elevation (BFE) 13 feet (NGVD)
3. Elevation of Lowest Adjacent Grade 6 feet (NGVD)
4. Approximate Depth of Anticipated Scour/Erosion used for Foundation Design 3.83 feet (NGVD)
5. Embedment Depth of Piling or Foundation Below Lowest Adjacent Grade 28 feet (NGVD)

SECTION III: V-Zone Certification Statement

NOTE. This section must be certified by a registered engineer or architect

I certify that I have developed or reviewed the structural design, plans, and specifications for construction and that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the following provisions:

- The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is elevated to or above the BFE; and
- The pile and column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of the wind and water loads acting simultaneously on all building components. Water loading values used are those associated with the base flood. Wind loading values used are those required by the applicable State or local building code. The potential for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.

SECTION IV: Breakaway Wall Certification Statement

NOTE. This section must be certified by a registered engineer or architect
when breakaway walls exceed a design safe loading resistance of 20 pounds per square foot

I certify that I have developed or reviewed the structural design, plans, and specifications for construction and that the design and methods of construction to be used for the breakaway walls are in accordance with accepted standards of practice for meeting the following provisions:

- Breakaway wall collapse shall result from a water load less than that which would occur during the base flood; and
- The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (wind and water loading values to be used are defined in Section 111).

SECTION IV: Certification

Signature below certifies: Section III; Section IV

Certifier's Name CHRISTOPHER WRIGHT PE
Title STRUCTURAL ENGINEER License Number 54080
Street Address 201 N. FRANKLIN ST Suite 1970
City TAMPA State FL Zip Code 33602
Signature [Signature] Date 7/21/14 Telephone Number (813) 324-2459