

13-712-L2

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 BONAIRE LBK LLC					Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5005 GULF OF MEXICO DR UNIT 2					Company NAIC Number:	
City LONGBOAT KEY		State Florida		ZIP Code 34228		
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) UNIT NO, 2 OF BONAIRE AT LONGBOAT KEY, A CONDOMINIUM						
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>RESIDENCE</u>						
A5. Latitude/Longitude: Lat <u>27.40419219</u> Long. <u>-82.652759</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>2393</u> sq ft						
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>16</u>						
c) Total net area of flood openings in A8.b <u>816</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>N/A</u> sq ft						
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>N/A</u>						
c) Total net area of flood openings in A9.b <u>N/A</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 LONGBOAT KEY-125126				B2. County Name MANATEE		B3. State FL.
B4. Map/Panel Number 12081C 0294	B5. Suffix E	B6. FIRM Index Date 03-17-2014	B7. FIRM Panel Effective/ Revised Date 03-17-2014	B8. Flood Zone(s) AE & VE	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10' & 11"	
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____						
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____						
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA						

ELEVATION CERTIFICATE

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

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. 5005 GULF OF MEXICO DR UNIT 2			Policy Number:
City LONGBOAT KEY	State Florida	ZIP Code 34228	Company NAIC Number

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: 13-84-13B Vertical Datum: NAVD 88

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) | 6.4 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor | 21.0 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only) | 18.4 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| d) Attached garage (top of slab) | 6.0 | <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) | 11.0 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | 5.1 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | 5.4 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support | N/A | <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 LELAND E. BEDWELL	License Number PSM 5884
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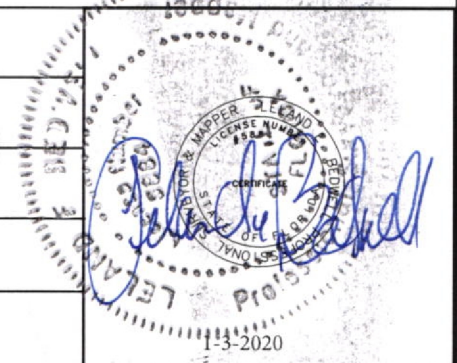
Title REGISTERED SURVEYOR

Company Name LELAND E. BEDWELL SURVEYING, INC.

Address 3423 55TH DRIVE EAST

City BRADENTON	State Florida	ZIP Code 34203
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Signature 	Date 1-3-2020	Telephone (941) 753-9994	Ext. NA
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Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)
 LOWEST MACHINERY/ EQUIPMENT SERVICING THE BUILDING BEING ELECTRIC METER CAN . THERE ARE 16 SMART VENTS 1540-520 THE FORMULA WOULD BE 2393/200= MINIMUM 11.96 VENTS NEED, EACH VENT IS CAPABLE OF 200 SQ. FT. OF BUILDING COVERAGE, HAVING A TOTOAL OF 3200 S.F. & EACH VENT HAVING A NET FREE AREA OF 51 SQ IN., ROOF PEEK EL. = 48.5'
 CONTRACTOR TO PROVIDE TWO COPIES OF THE ICC-ES EVALUATION REPORT FOR THE SMART VENTS.
 NOTE: BASE FLOOD AS PROVIDED & USED BY ARCHITECT & ENGINEER

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**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 _____ N/A feet meters above or below the HAG.
 - b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ N/A 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 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ N/A feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ N/A feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ N/A 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 or Owner's Authorized Representative's Name
N/A

Address N/A	City N/A	State	ZIP Code N/A
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Signature	Date	Telephone
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Comments

Check here if attachments.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

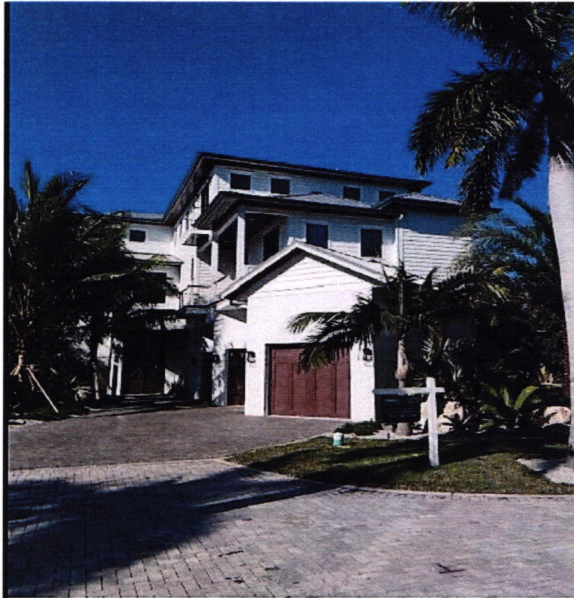
OMB No. 1660-0008

Expiration Date: November 30, 2018

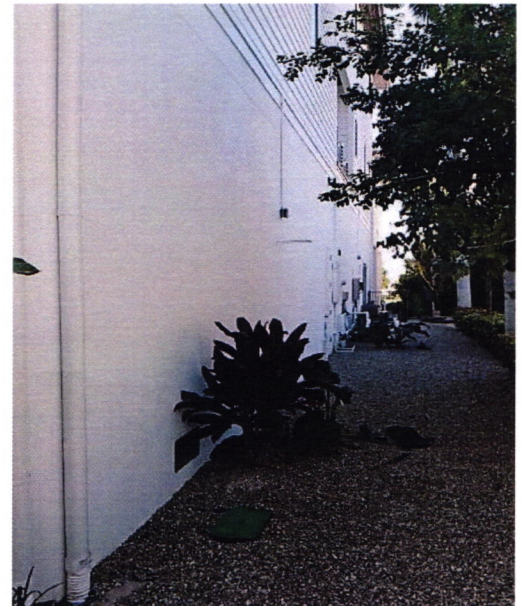
ELEVATION CERTIFICATE

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Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5005 GULF OF MEXICO DR UNIT 2			Policy Number:
City LONGBOAT KEY	State Florida	ZIP Code 34228	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



SIDE

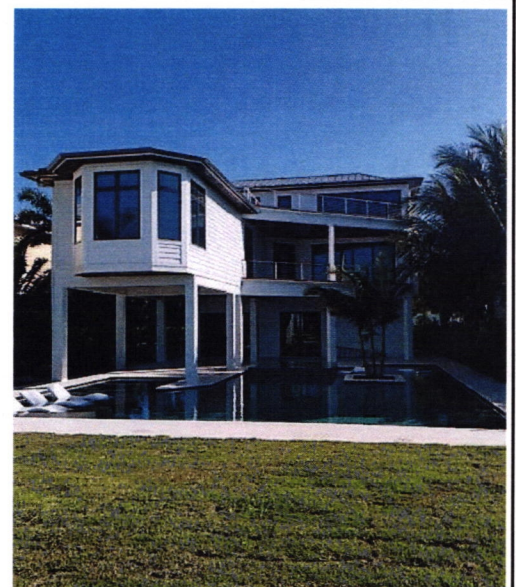
Photo One

Photo One Caption

Clear Photo One



SIDE



REAR

Photo Two

Photo Two Caption

Clear Photo Two

BUILDING PHOTOGRAPHS

Continuation Page

OMB No. 1660-0008
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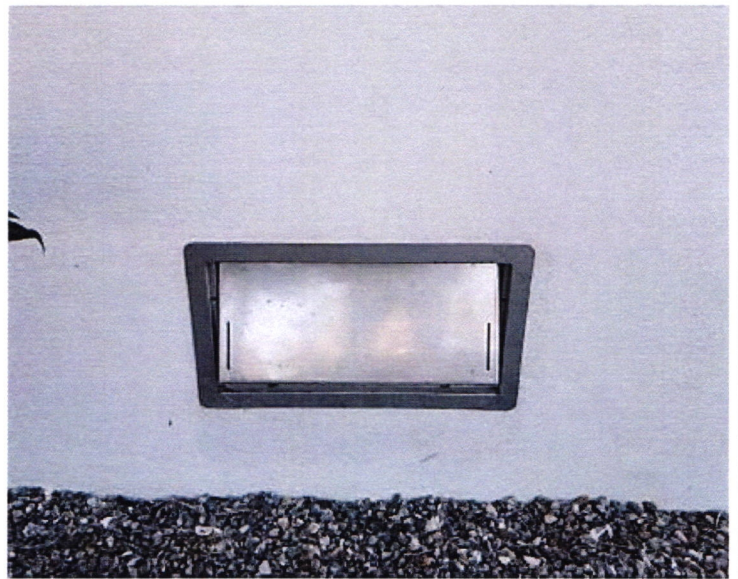
ELEVATION CERTIFICATE

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City LONGBOAT KEY	State Florida	ZIP Code 34228	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.



REAR/SIDE



SMART VENT

Photo Three

Photo Three Caption

Clear Photo Three



METER

Photo Four

Photo Four Caption

Clear Photo Four

V ZONE DESIGN CERTIFICATE

Name _____ Policy Number (Insurance Co. Use) _____
 Building Address or Other Description **5005 GULF OF MEXICO DR. UNIT 2**
 Permit No. P70902 City **LONGBOAT KEY** State FL Zip Code **34228**

SECTION I: Flood Insurance Rate Map (FIRM) Information

Community No. **125126** Panel No. **0294** Suffix **E** FIRM Date **03/17/2014** FIRM Zone(s) **VE**

SECTION II: Elevation Information Used for Design

[NOTE: This section documents elevations used in the design – it does not substitute for an as-built Elevation Certificate.]

1. Datum..... NGVD NAVD Other
2. Elevation of the Bottom of Lowest Horizontal Structural Member **18.0** feet above datum
3. Base Flood Elevation (BFE)..... **11** feet above datum
4. Elevation of Lowest Adjacent Grade **5.1** feet above datum
5. Approximate Depth of Anticipated Scour/Erosion used for Foundation Design..... _____ feet above datum
6. Embedment Depth of Pilings or Foundation Below Lowest Adjacent Grade..... _____ feet above datum

SECTION III: V Zone Design Certification Statement

[NOTE. This section must be certified by a Florida licensed engineer or architect.]

I certify: (1) that I have developed or reviewed the structural design, plans, and specifications for construction and (2) 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 (with the exception of mat or raft foundations, piling, pile caps, columns, grade beams and bracing) is elevated to or above the BFE in accordance with the requirements of the *Florida Building Code* and local floodplain management regulations; and
- The pile and column foundation and building or structure to be attached thereto is designed in accordance with the *Florida Building Code* to be anchored to resist flotation, collapse, and lateral movement due to the effects of the wind and flood loads acting simultaneously on all building components, and other load requirements of the *Florida 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 Design Certification Statement

[NOTE. This section must also be certified by a Florida licensed engineer or architect when breakaway walls exceed a design safe loading resistance of 20 pounds per square foot. This requirement does not apply to open wood/plastic lattice/slats/louvers or insect screening.]

I certify: (1) that I have developed or reviewed the structural design, plans, and specifications for construction and (2) that the design and methods of construction to be used for the breakaway walls are in accordance with the *Florida Building Code, Building (ASCE 24)* or *Florida Building Code, Residential*, as applicable, and accepted standards of practice.

SECTION V: Certification and Seal

This certification is to be signed and sealed by a Florida licensed professional engineer or architect authorized by law to certify structural designs. I certify the V Zone Design Certification Statement in Section III and the Breakaway Wall Design Certification Statement in Section IV (if applicable).

DEREK NEWCOMER	FL# 69010
Certifier's Name	License Number
PRINCIPLE	APEX CONSULTING ENGINEERS
Title	Company Name
4315 53 rd AVE EAST	BRADENTON
Address	City
	State
	ZIP
Signature	Telephone
	941-365-1900

RECEIVED
Date

JAN 16 2020





FINAL CERTIFICATION

Coastal Construction Control Line Program
Division of Water Resource Management
Florida Department of Environmental
Protection 2600 Blair Stone Road
Mail Station 3566
Tallahassee, Florida 32399-2400

Mail to:

E-Mail to: CCCL@dep.state.fl.us

Permit Number: ME-1188

Permittee Name: Bonaire LBK, LLC

This is to certify that the work under the permit for construction or other activities seaward of the coastal construction control line pursuant to Section 161.053, Florida Statutes, was inspected by the undersigned and was found to be acceptable and satisfactory in accordance with the approved plans and project description and with all conditions of the permit. All permitted construction or activities have been completed, and no unpermitted construction or activities have occurred. Location and elevations specified by the permit and approved plans have been verified and found to be correct, and topography and vegetation have been either preserved or restored as required by the permit.

FOR WORK INCLUDING:

5005 Gulf of Mexico Drive, Unit 2, Longboat Key, FL 34228

Construction of a two-story single family dwelling, pool deck, swimming pool, spa, walkway and driveway seaward of the General Permit line.

NOTE: Any deviations from the permit and any portions of the permitted work not actually performed shall be noted and described in detail as an exception to this certification.

2/10/2020

Signature of Engineer or Architect

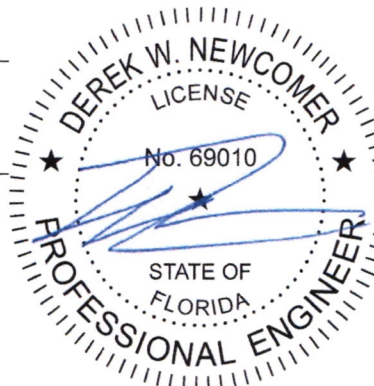
Date

Derek W Newcomer

Typed or Printed Name of Engineer or Architect

FL 69010

State of Florida Registration Number



Digitally signed by Derek W Newcomer
DN: c=US, o=APEX CONSULTING ENGINEERS, ou=A01410C0000016FECC0651C0000D155, cn=Derek W Newcomer
Date: 2020.02.10 10:41:21 -05'00'

RECEIVED

FEB 10 2020

TOWN OF LONGBOAT KEY
Planning, Zoning and Building