

## DRY FLOODPROOFING CERTIFICATE FOR NON-RESIDENTIAL STRUCTURES

### PAPERWORK BURDEN DISCLOSURE NOTICE

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**General:** This information is provided pursuant to Public Law 96-511 (the Paperwork Reduction Act of 1980, as amended), dated December 11, 1980, to allow the public to participate more fully and meaningfully in the Federal paperwork review process.

**Authority:** Public Law 96-511, amended; 44 U.S.C. 3507; and 5 CFR 1320.

### PRIVACY ACT STATEMENT

**Authority:** Title 44 CFR § 60.3, 61.7 and 61.8.

**Principal Purpose(s):** This information is being collected for the primary purpose of estimating the risk premium rates necessary to provide flood insurance for new or substantially improved structures in designated Special Flood Hazard Areas.

**Routine Use(s):** The information on this form may be disclosed as generally permitted under 5 U.S.C. § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA-003 – National Flood Insurance Program Files System or Records Notice 79 Fed. Reg. 28747 (May 19, 2014), and upon written request, written consent, by agreement, or as required by law.

**Disclosure:** The disclosure of information on this form is voluntary; however, failure to provide the information requested may result in the inability to obtain flood insurance through the National Flood Insurance Program or being subject to higher premium rates for flood insurance. Information will only be released as permitted by law.

### PURPOSE OF THE DRY FLOODPROOFING CERTIFICATE FOR NON-RESIDENTIAL STRUCTURES

Under the National Flood Insurance Program (NFIP), the dry floodproofing of non-residential buildings may be permitted as an alternative to elevating to or above the Base Flood Elevation (BFE) or for certain flood zones, the natural Highest Adjacent Grade (HAG). A dry floodproofing design certification is required for non-residential structures that are dry floodproofed and the dry floodproofed non-residential portions of mixed-use buildings. This form is to be used for that certification. FEMA Form 206-FY-21-122 NFIP Residential Basement Floodproofing Certificate is required for the residential portions of mixed-use buildings.

A dry floodproofed building is a building that has been designed and constructed to be watertight (substantially impermeable to floodwaters) below the BFE and with structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy. Before a dry floodproofed building is designed, numerous planning considerations, including flood warning time, uses of the building, mode of entry to and exit from the building and the site in general, floodwater velocities, flood depths, debris impact potential, flood frequency, and any other State and local requirements must be addressed to ensure that dry floodproofing will be a viable floodplain management measure.

The minimum NFIP requirement is to dry floodproof a building to the BFE. However, to be in compliance with the requirements of American Society of Civil Engineers (ASCE) 24, *Flood Resistant Design and Construction*, one foot is subtracted from the dry floodproofed elevation. Therefore, a building must be dry floodproofed to one foot above the BFE to be considered for floodproofing credit. For B, C, D, or X flood zones, the building's dry floodproofed design elevation must be at least two feet above the natural HAG to be considered for floodproofing credit.

Additional guidance can be found in FEMA Publication 936, *Floodproofing Non-Residential Buildings* (2013), and NFIP Technical Bulletin 3, *Requirements for the Design and Certification of Dry Floodproofed Non-Residential and Mixed-Use Buildings* (2021), available on FEMA's Building Science Resource Library website at [www.fema.gov/ar/emergency-managers/risk-management/building-science/publications](http://www.fema.gov/ar/emergency-managers/risk-management/building-science/publications).

**Copy all pages of this Dry Floodproofing Certificate and all attachments for 1) community official, 2) insurance agent/ company, and 3) building owner.** The dry floodproofing of non-residential buildings and the non-residential portions of mixed-use buildings may be permitted as an alternative to elevating to or above the Base Flood Elevation (BFE); however, a dry floodproofing design certification is required. This form is to be used for that certification. Dry floodproofing of a residential building does not alter a community's floodplain management elevation requirements or affect the insurance rating unless the community has been issued an exception by FEMA to allow dry floodproofed residential basements. The permitting of a dry floodproofed residential basement requires a separate certification specifying that the design complies with the local floodplain management ordinance.

**PROPERTY INFORMATION**

Building Owner's Name: <u>SR LBK II LLC</u> Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>1581 Gulf of Mexico Drive</u> City: <u>Longboat Key</u> State: <u>FL</u> ZIP Code: <u>34228</u> Property Description (e.g., Lot and Block Numbers, or Legal Description) and/or Tax Parcel Number: <u>Parcel ID 0009041240, Public Records of Sarasota County (Bateau Residential Building 2)</u> Building Use (e.g., Non-Residential, Mixed Use, Addition, Accessory, etc.): <u>Residential / Multi-Family</u> Latitude/Longitude: Lat. <u>27°21'6.06"</u> Long. <u>-82°36'39.71"</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983 <input checked="" type="checkbox"/> WGS 84	<b>FOR INSURANCE COMPANY USE</b> Policy Number: _____ Company NAIC Number: _____
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**SECTION I – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION**

NFIP Community Name: Town of Longboat Key NFIP Community Identification Number: 125126  
 County Name: Sarasota State: FL Map/Panel Number: 12115C0126 Suffix: G  
 FIRM Index Date: 03/27/2024 FIRM Panel Effective/Revised Date: 03/27/2024 Flood Zone(s): AE  
 BFE(s) (Zone AO, use Base Flood Depth (BFD)): 10'  
 Indicate the source of the BFE data or BFD entered above:  Flood Insurance Study (FIS)  FIRM  
 Community Determined  Other: \_\_\_\_\_  
 Indicate elevation datum used for BFE shown above:  NGVD 1929  NAVD 1988  Other/Source: \_\_\_\_\_  
 Is a Limit of Moderate Wave Action (LiMWA) shown on the FIRM?  Yes  No  
 If Yes, is the property located in the Coastal A Zone [area between the LiMWA and Zone V boundary (or shoreline)]?  Yes  No  
 Is the property located in a floodway?  Yes  No If Yes, provide the velocity at the building location: \_\_\_\_\_  
 Is the property located in an alluvial fan?  Yes  No  
 If Yes, provide the depth at the building location: \_\_\_\_\_ and velocity: \_\_\_\_\_

**SECTION II – DRY FLOODPROOFED DESIGN CERTIFICATION**

**(By a Registered Professional Engineer or Architect licensed in the State where the building is located)**

**(Note:** For insurance rating purposes in all zones except for B, C, D, or X, the building's dry floodproofed design elevation must be at least one foot above the BFE to be considered for floodproofing credit. For B, C, D, or X Zones, the building's dry floodproofed design elevation must be at least two feet above the natural HAG to be considered for floodproofing credit. If the building is not dry floodproofed to the above-mentioned standards, then the building will be ineligible for floodproofing credit. See the Instructions section for information on documentation that must accompany this certificate if being submitted for flood insurance rating purposes.)

Briefly list measures incorporated into the design to meet the performance criteria for dry floodproofing and attach calculations showing the structure is designed with structural components that have the capability of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy and will be watertight and substantially impermeable to the passage of water.

All building openings below the BFE are fitted with flood gates consisting of a light weight composite that are fastened with zinc coated carbon steel directly to the face of the building. The top of the flood gates are to extend to a dry floodproofing design elevation of +14 ft NAVD88.

See attached Install Photo Book and Food Maintenance Plan/Emergency Action Plan.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>1581 Gulf of Mexico Drive</u>	<b>FOR INSURANCE COMPANY USE</b>
City: <u>Longboat Key</u> State: <u>FL</u> ZIP Code: <u>34228</u>	Policy Number: _____ Company NAIC Number: _____

**SECTION II – DRY FLOODPROOFED DESIGN CERTIFICATION (Continued)**  
 (By a Registered Professional Engineer or Architect licensed in the State where the building is located)

Provide elevations used in design, specifications and construction drawings. In Puerto Rico only, enter meters.  
 Indicate elevation datum used for the elevations in this section.  NGVD 1929  NAVD 1988  Other/Source: \_\_\_\_\_  
 Elevation datum used for building elevations must be the same as that used for the BFE. Conversion factor used?  Yes  No  
 If Yes, describe the source of the conversion factor in the Comments area of this Section.

- |   |   |       |  |  |
|---|---|-------|--|--|
| A. Dry Floodproofed Design Elevation:                 | _____   | 14.0  | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters  |
| B. Lowest Adjacent Grade (LAG) next to the building:  | <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Finished | _____ | 9.2                                      | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| C. Highest Adjacent Grade (HAG) next to the building: | <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Finished | _____ | 9.8                                      | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |

**Non-Residential Dry Floodproofed Design Certification:**

*I certify the structure, based upon development and/or review of the design and specifications for construction, has been designed in accordance with the accepted standards of practice (ASCE 24-05, ASCE 24-14 or their equivalent) and the following provisions.*

- *The structure, together with attendant utilities and sanitary facilities will be watertight to the dry floodproofed design elevation indicated above, will be substantially impermeable to the passage of water, and shall perform in accordance with the 44 Code of Federal Regulations (44 CFR 60.3(c)(3)).*
- *All structural components are capable of resisting hydrostatic and hydrodynamic flood forces, including the effects of buoyancy, and anticipated debris impact forces up to the dry floodproofed design elevation. Flood damage-resistant materials are used for all areas where seepage is intended to collect inside the dry floodproofed areas up to at least 4 inches above the floor.*

*I certify that the information in Section II on this certificate represents a true and accurate determination by the undersigned using the available information and data. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.*

Certifier's Name: Michael A Giovannozzi, PE License Number (or Affix Seal): FL#62563  
 Title: Senior Engineer Company Name: AquaTerra Consulting Int  
 Mailing Address: 534 28th St  
 City: West Palm Beach State: FL ZIP Code: 33407  
 Phone #1: (561) 703-5230 Ext.: \_\_\_\_\_ Phone #2: \_\_\_\_\_ Ext.: \_\_\_\_\_  
 Email: mike@aquaterraci.com



Signature: \_\_\_\_\_ Date: 11/27/2024

Comments (including source of conversion factor and description of any attachments):

LAG and HAG obtained from Elevation Cert completed by Charles M. Arnett, Professional Surveyor and Mapper (see attached).

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>1581 Gulf of Mexico Drive</u>	<b>FOR INSURANCE COMPANY USE</b>
City: <u>Longboat Key</u> State: <u>FL</u> ZIP Code: <u>34228</u>	Policy Number: _____ Company NAIC Number: _____

**SECTION III – DRY FLOODPROOFED ELEVATION CERTIFICATION**  
 (By a Registered Professional Land Surveyor, Engineer or Architect licensed in the State where the building is located)

Benchmark Utilized: NGS A 715 Vertical Datum: NAVD 88

Indicate elevation datum used for the elevations provided in this section:  
 NGVD 1929  NAVD 1988  Other/Source: 7.74

Elevation datum used for building elevations must be the same as that used for the BFE. Conversion factor used?  Yes  No  
 If Yes, describe the source of the conversion factor in the Comments area of this section.

A. Dry floodproofed elevation (must be based on finished construction): \_\_\_\_\_ 14.0  feet  meters

B. Lowest Adjacent Grade (LAG) next to the building:  Natural  Finished \_\_\_\_\_ 9.2  feet  meters

C. Natural Highest Adjacent Grade (HAG) next to the building: \_\_\_\_\_ N/A  feet  meters

Height of floodproofing on the building above the natural or finished LAG is 4.8 feet.  
 (In Puerto Rico only: \_\_\_\_\_ meters.)

**(Note:** For insurance rating purposes in all eligible zones inside the SFHA, the building's dry floodproofed design elevation must be at least one foot above the BFE to be considered for floodproofing credit. For B, C, D, or X Zones, the building's dry floodproofed design elevation must be at least two feet above the natural HAG. If the building is not dry floodproofed to the above-mentioned standards, then the building will not be considered for floodproofing credit. See the Instructions section for information on documentation that must accompany this certificate if being submitted for flood insurance rating purposes.)

**Non-Residential Dry Floodproofed Elevation Information Certification:**

Section III 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 in Section III on this Certificate represents a true and accurate interpretation and determination by the undersigned using the available information and data. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.*

Certifier's Name: Charles M. Arnett License Number (or Affix Seal): LS6884


Title: Professional Surveyor and Mapper Company Name: GeoPoint Surveying, Inc.

Mailing Address: 213 Hobbs Street

City: Tampa State: FL ZIP Code: 33619

Phone #1: (813) 248-8888 Ext.: \_\_\_\_\_ Phone #2: \_\_\_\_\_ Ext.: \_\_\_\_\_

Email: carnett@geopointsurvey.com



Place Seal Here

Signature: *Charles M. Arnett* Date: 11/22/2024

Comments (including source of conversion factor and description of any attachments):  
Permitted under prior FIRM: B5: F, B6: 11/04/2016, B7: 11/04/2016, B9: AE=10'/11'

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 1581 Gulf of Mexico Drive	<b>FOR INSURANCE COMPANY USE</b>
City: Longboat Key State: FL ZIP Code: 34228	Policy Number: _____
	Company NAIC Number: _____

**SECTION IV – DRY FLOODPROOFED CONSTRUCTION CERTIFICATION**  
(By a Registered Professional Engineer or Architect licensed in the State where the building is located)

**Non-Residential Dry Floodproofed Construction Certification:**

*I certify the structure, based upon development and/or review of the design, specifications, as-built drawings for construction and physical inspection, has been designed and constructed in accordance with the accepted standards of practice (ASCE 24-05, ASCE 24-14 or their equivalent) and any alterations also meet those standards and the following provisions.*

- The structure, together with attendant utilities and sanitary facilities is watertight to the dry floodproofed design elevation indicated above, is substantially impermeable to the passage of water, and shall perform in accordance with the 44 Code of Federal Regulations (44 CFR 60.3(c)(3)).
- All structural components are capable of resisting hydrostatic and hydrodynamic flood forces, including the effects of buoyancy, and anticipated debris impact forces up to the dry floodproofed design elevation.
- The floodproofed elevation is in accordance with the design and any alteration(s) to the design.
- Flood damage-resistant materials have been incorporated/used in all areas where seepage would collect inside the dry floodproofed areas up to at least 4 inches above the floor.

*I certify that the information in Section IV on this certificate represents a true and accurate determination by the undersigned using the available information and data. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.*

Certifier's Name: Michael A Giovannozzi, PE License Number (or Affix Seal): FL#62563  
 Title: Senior Engineer Company Name: AquaTerra Consulting Int  
 Mailing Address: 534 28th St  
 City: West Palm Beach State: FL ZIP Code: 33407  
 Phone #1: (561) 703-5230 Ext.: Phone #2: Ext.:  
 Email: mike@aquaterraci.com



Signature: \_\_\_\_\_ Date: 11/27/2024

**Copy all pages of this Dry Floodproofing Certificate and all attachments for:  
1) community official, 2) insurance agent/company, and 3) building owner.**

## REQUIRED DOCUMENTATION

In order to ensure compliance and provide reasonable assurance that due diligence had been applied in designing and constructing dry floodproofing measures, the following information must be provided with the completed Dry Floodproofing Certificate:

- 1. Photographs.** All photographs must be clear and in color, identified and include the date taken. Where the building is in the course of construction, provide clear descriptions of any other dry floodproofed components and attachments to be incorporated.
  - a. Photographs of all sides and aspects of the floodproofed building.
  - b. Photographs of all components used to provide dry floodproofing protections (shields, gates, barriers, sump pumps, backflow (non-return) valves or shutoff valves, etc.).
  - c. Photographs of the installed barriers/shields and corresponding clear photographs of openings areas where barriers and shields are deployed without the barriers/shields installed (doors, windows, ventilation intakes, etc.).
  - d. Photographs of penetrations through dry floodproofed envelopes (utilities, mechanical).
  - e. Photographs of backup power source for sump pumps.
  
- 2. Comprehensive Flood Emergency Operations Plan** for the entire structure to include but not limited to:
  - a. The personnel, equipment, tools, and supplies needed to deploy all dry floodproofing system components with sufficient time prior to the onset of flooding or conditions such as high winds that could interfere with efficient deployment of measures.
  - b. Clearly defined chain of command and assigned responsibilities for personnel involved in the installation of dry floodproofing measures.
  - c. Procedure for notifying personnel responsible for installing dry floodproofing measures, along with a list of duty requirements.
  - d. Decision tree that identifies the sequence, timeline, and responsible parties for installing the dry floodproofing components, including the triggers or benchmarks that will initiate procedures.
  - e. Written description and map of the storage locations and types of dry floodproofing measures to be installed or deployed (shields, gates, barriers, and components as well as all associated hardware), along with any equipment, tools, and materials required for installation.
  - f. Conditions that require the deployment of active dry floodproofing measures (e.g., installation of flood shields, closing of flood doors, closing of manual valves, staging of pumps).
  - g. Instructions for installing or deploying each dry floodproofing measure and the order of installation if important for effectiveness.
  - h. Instructions for connecting standby (emergency) power source (e.g., generator) for critical equipment such as sump pumps and egress lighting
  - i. Contact information for the manufacturer and designer to expedite obtaining replacement parts and support as needed
  - j. Evacuation plans for all personnel
  - k. Requirements for installation and deployment drills and training program (at least once a year)
  - l. Requirement for regular review and update of the plan procedures
  
- 3. Comprehensive Inspection and Maintenance Plan** for the entire structure to include but not limited to:
  - a. Exterior envelope of the structure, such as wall and foundation systems, to identify possible structural and waterproofing deficiencies such as cracks, water staining, and penetrations.
  - b. All penetrations to the exterior of the structure.
  - c. Slabs and wall/slab joints, including structural and drainage deficiencies.
  - d. Flood shields, gates, panels, doors, glazing, barriers, and other components designed to provide dry floodproofing protection, including all seals, gaskets, fasteners, and mounting hardware and tools.
  - e. Sump pumps (or self-priming pumps) and interior drain system.
  - f. Emergency power systems.
  - g. Testing of emergency generators, sump pumps, and other drainage measures.
  - h. Backflow (non-return) valves or shutoff valves.
  - i. Location of all flood shields, gates, panels, and other components including all hardware along with any materials or tools needed to seal the dry floodproofed area.
  - j. Contact information for the manufacturer of the shields and other components to determine the availability of replacement gaskets, seals, and other parts and to ask questions.
  - k. Cadence of inspection and maintenance plan.
  
- 4. Building owner** acknowledgment that verifies that the owner is aware of the criteria for when the dry floodproofing measures must be installed and that they know how to install all the measures. This would be signed by the owner. Additionally, if the measures are to be installed by a third-party, then the third-party contractor must sign that they know how to install the measures.

DEPARTMENT OF HOMELAND SECURITY  
Federal Emergency Management Agency

**INSTRUCTIONS FOR COMPLETING THE DRY FLOODPROOFING CERTIFICATE  
FOR NON-RESIDENTIAL STRUCTURES**

To receive credit for dry floodproofing, a completed Dry Floodproofing Certificate for Non-Residential Structures is required for non-residential buildings and the non-residential portions of mixed-use buildings in the Regular Program communities, located in all flood zones, including Zone X. For certification of finished construction, this form is invalid without Sections I through IV.

**PROPERTY INFORMATION**

This section identifies the building, its location, and its owner. Enter the name(s) of the building owner(s), the building's complete street address, and/or property description. If the building's address is different from the owner's address, enter the address of the building being certified. If the address is a rural route or a Post Office box number, enter the lot and block numbers, the tax parcel number, the legal description, or an abbreviated location description based on distance and direction from a fixed point of reference.

A map may be attached to this certificate to show the location of the building on the property. A tax map, FIRM, or detailed community map is appropriate. If no map is available, provide a sketch of the property location, and the location of the building on the property. Include appropriate landmarks such as nearby roads, intersections, and bodies of water. For building use, indicate whether the building is residential, non-residential, an addition to an existing residential or non-residential building, an accessory building (e.g., garage), or other type of structure. Use the Comments area of the appropriate section if needed or attach additional comments.

Provide latitude and longitude coordinates for the center of the front of the building. Use either decimal degrees (e.g., 39.504322°, -110.758522°) or degrees, minutes, seconds (e.g., 39° 30' 15.52", -110° 45' 30.72") format. If decimal degrees are used, provide coordinates to at least 6 decimal places or better. When using degrees, minutes, seconds, provide seconds to at least 2 decimal places or better. Provide the datum of the latitude and longitude coordinates (FEMA prefers the use of NAD 1983). Indicate the method or source used to determine the latitude and longitude in the Comments area.

**SECTION I – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION**

Complete the Dry Floodproofing Certificate using the Flood Insurance Study (FIS) and FIRM in effect at the time of the certification.

The information for Section I is obtained by reviewing the FIS and the FIRM panel that includes the building's location. Information about the current FIS and FIRM is available from FEMA by visiting [msc.fema.gov](http://msc.fema.gov) or contacting the local floodplain administrator. If a Letter of Map Amendment (LOMA), Letter of Map Revision (LOMR), or LOMR Based on Fill (LOMR-F) has been issued by FEMA, please provide the letter date and case number in the Comments area, as appropriate.

For a building in an area that was mapped in one community but is now in another community due to annexation or dissolution, enter the community name and 6-digit number of the community in which the building is now located in the name of the county or new county, if necessary; and the FIRM index date for the community the building is now located in. Enter information from the actual FIRM panel that shows the building location, even if it is the FIRM for the previous jurisdiction. If the map in effect at the time of the building's construction was other than the current FIRM, and you have the past map information pertaining to the building, provide the information in the Comments area.

**Note:** Indicate in the Comments Section, if using information based on best available data, such as base-level engineering or advisory flood hazard data (contact the local floodplain administrator to confirm).

**NFIP Community Name & Community Identification Number.** Enter the complete name of the community in which the building is located, and the associated 6-digit Community Identification Number. For a newly incorporated community, use the name and 6-digit number of the new community. Under the NFIP, a "community" is any State or area or political subdivision thereof, or any Indian tribe or authorized native organization which has authority to adopt and enforce floodplain management regulations for the areas within its jurisdiction. To determine the current community number, see the NFIP *Community Status Book*, available on FEMA's web site at [www.fema.gov/national-flood-insurance-program-community-status-book](http://www.fema.gov/national-flood-insurance-program-community-status-book).

**County Name.** Enter the name of the county or counties in which the community is located. For an unincorporated area of a county, enter the county name and "unincorporated area." For an independent city, enter "independent city."

**State.** Enter the 2-letter state abbreviation (for example, VA, TX, CA).

**Map/Panel Number and Suffix.** Enter the 10-character "Map Number" or "Community Panel Number" shown on the FIRM where the building or manufactured (mobile) home is located. For maps in a county-wide format, the sixth character of the "Map Number" is the letter "C" followed by a 4-digit map number. For maps not in a county-wide format, enter the "Community Panel Number" shown on the FIRM.

**FIRM Index Date.** Enter the effective date or the map revised date shown on the FIRM Index.

**FIRM Panel Effective/Revised Date.** Enter the effective date shown on the current FIRM panel. The current FIRM panel effective date can be determined by visiting [msc.fema.gov](https://msc.fema.gov) or contacting the local floodplain administrator. In addition, if the area where the building is located was revised by a LOMR, include the LOMR effective date.

**Flood Zone(s).** Enter the flood zone, or flood zones, in which the building is located. All flood zones containing the letter "A" or "V" are considered Special Flood Hazard Areas. The flood zones are A, AE, A1–A30, V, VE, V1–V30, AH, AO, AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Each flood zone is defined in the legend of the FIRM panel on which it appears.

**BFE(s).** Using the appropriate Flood Insurance Study (FIS) Profile, FIS Data Table (e.g., Transect, Floodway, etc.), or FIRM panel, locate the property and enter the BFE (or base flood depth) of the building site to the nearest tenth of a foot (nearest tenth of a meter, in Puerto Rico). If the building is located in more than one flood zone, list all appropriate BFEs.

BFEs are shown in the FIS or on a FIRM for Zones A1–A30, AE, AH, V1–V30, VE, AR, AR/A, AR/AE, AR/A1–A30, AR/AH, and AR/AO; flood depth numbers are shown for Zone AO. Use the AR BFE if the building is located in any of Zones AR/A, AR/AE, AR/A1–A30, AR/AH, or AR/AO.

In unnumbered A or V zones where BFEs are not provided in the FIS or on the FIRM, BFEs may be available from another source. For example, the community may have established BFEs or obtained BFE data from other sources (e.g., Base Level Engineering) for the building site. For subdivisions and other developments of more than 50 lots or 5 acres in Zone A, establishment of BFEs is required per Floodplain Management requirements 44 CFR 60.3(b)(3). If a BFE is obtained from another source, enter the BFE. The BFE entered must be based on hydrologic and hydraulic analyses. In an unnumbered A Zone where BFEs are not obtained from another source, enter N/A.

For areas in which BFEs have not been established, designers can refer to FEMA 265 *Zone A Manual: Managing Floodplain Development in Approximate Zone A Areas* (FEMA 1995), [https://www.fema.gov/sites/default/files/documents/fema\\_approx-zone-a-guide.pdf?id=2215](https://www.fema.gov/sites/default/files/documents/fema_approx-zone-a-guide.pdf?id=2215). This guide provides information on obtaining and developing BFEs.

**Source of BFE.** Indicate the source of the BFE or flood depth that you entered. If the BFE is from a source other than FIS Profile, FIRM, or community, include the name of the study, the agency or company that produced it, and the date when the study was completed. Visit [msc.fema.gov](https://msc.fema.gov) or contact the local floodplain administrator to access the current FIS and FIRM.

**Elevation Datum.** Indicate the elevation datum to which the elevations on the applicable FIRM are referenced as shown on the map legend. The vertical datum is shown in the Map Legend and/or the Notes to Users on the FIRM.

**Limit of Moderate Wave Action (LiMWA).** Indicate if a LiMWA is shown on the FIRM and the location of the building in relation to the LiMWA.

**Floodway.** Indicate if building is in a floodway and if applicable, the velocity in the area of the building. See FEMA P-936, *Floodproofing Nonresidential Buildings* for more information on determining the velocity.

**Alluvial Fan.** Indicate if building is in an alluvial fan and if applicable, the depth and velocity in the area of the building.

## **SECTION II – DRY FLOODPROOFED DESIGN CERTIFICATION**

Section II is to be completed by a Registered Professional Engineer or Architect licensed in the State where the building is located to certify the design of the dry floodproofing measures as required by 44 CFR 60.3(c)(4).

## **SECTION III – DRY FLOODPROOFED ELEVATION CERTIFICATION**

Section III is to be completed by a Registered Professional Land Surveyor, Engineer, or Architect licensed in the State where the building is located to provide the surveyed elevations of the as-built construction. To ensure that all required elevations are obtained, it will be necessary to physically enter the building.

## **SECTION IV – DRY FLOODPROOFED CONSTRUCTION CERTIFICATION**

Section IV is to be completed by a Registered Professional Engineer or Architect licensed in the state where the building is located to certify the structure, based upon development and/or review of the design, specifications, as-built drawings for construction and physical inspection, has been designed and constructed in accordance with the accepted standards of practice (ASCE 24-05, ASCE 24-14 or their equivalent) and any alterations also meet those standards and the provisions listed in Section IV.



FLOOD RISK AMERICA



Flood Protection Solutions

# **St. Regis Resort Install Photo Book**

Panel 1



Panel 2



Panel 3



Panel 4



Panel 5



Panel 6



Panel 7

Panel 8

NO PHOTO



Panel 9

Panel 10

NO RECORD OF PANELS BEING INSTALLED

Panel 11

Panel 12



Panel 13



Panel 14



Panel 15



Panel 16



Panel 17



Panel 18



Panel 19



Panel 20



Panel 21



Panel 22



Panel 23



Panel 24



Panel 25



Panel 26



Panel 27



Panel 28



Panel 29



Panel 30



Panel 31



Panel 32



Panel 33



Panel 34



Panel 35



Panel 36



Panel 37



Panel 38



Panel 39



Panel 40



Panel 41



Panel 42





Panel 43



Panel 44



Panel 45



Panel 46



Panel 47



Panel 48



Panel 49



Panel 50



Panel 51



Panel 52



Panel 53



Panel 54



Panel 55



Panel 56



Panel 57



Panel 58



Panel 59



Panel 60



FLOOD RISK AMERICA



Flood Protection Solutions

# **St. Regis Resort Install Photo Book**

Panel 61



Panel 62



Panel 63



Panel 64



Panel 65



Panel 66



Panel 67



Panel 68



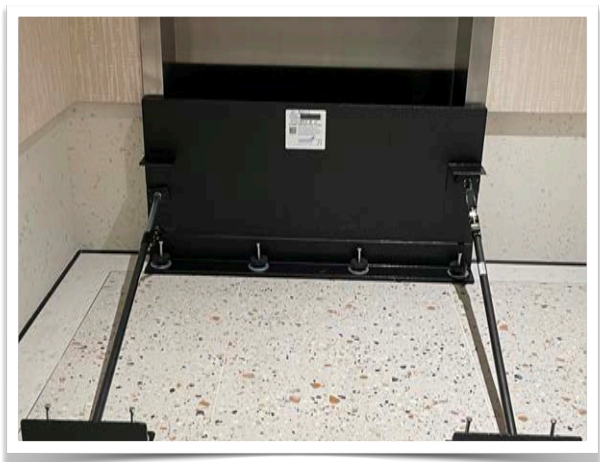
Panel 69



Panel 70



Panel 71



Panel 72



Panel 73



Panel 75



Panel 77



Panel 74



Panel 76



Panel 78



Panel 79



Panel 80



Panel 81



Panel 82



Panel 83



Panel 84





Panel 85



Panel 86



Panel 87



Panel 88



Panel 89



Panel 90



Panel 91



Panel 92



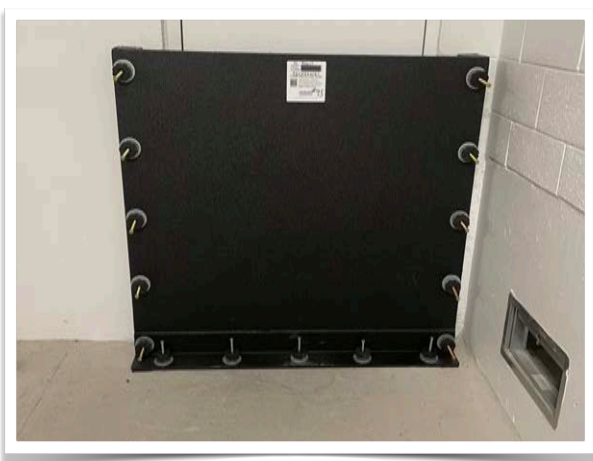
Panel 93



Panel 94



Panel 95



Panel 96



Panel 97



Panel 98



Panel 99



Panel 100



Panel 101



Panel 102



Panel 103



Panel 104



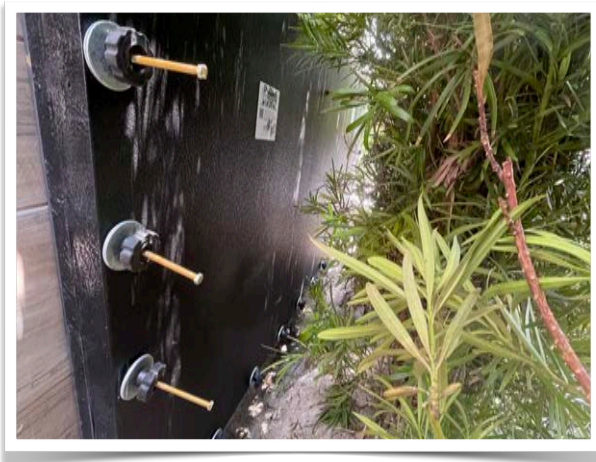
Panel 105



Panel 106



Panel 107



Panel 108



Panel 109



Panel 110



Panel 111



Panel 112



Panel 113



Panel 114



Panel 115



Panel 116



Panel 117





## FLOOD MAINTENANCE PLAN

Hotel: 1601 Gulf of Mexico Drive  
Champagne – 1591 Gulf of Mexico Drive  
Bateau – 1581 Gulf of Mexico Drive  
Amenity – 1571 Gul of Mexico Drive  
Armand – 1561 Gulf of Mexico Drive

### A. DESIGNATE EMERGENCY COORDINATOR

The owner of the property shall assign an emergency coordinator who is responsible to follow all procedures outlined in the Flood Maintenance Plan (FMP) and Emergency Action Plan (EAP).

The designated emergency coordinators shall be:

Name: Christopher Jenkins  
Phone: 404-664-6441

### B. POSTING OF FMP AND EAP

The emergency coordinator shall post the flood maintenance and emergency action plans on site in all common areas to inform all occupants.

### C. INITIAL INSPECTIONS AND C.O. BY “AUTHORITY HAVING JURISDICTION”

The emergency coordinator shall obtain documentation or certification from the “Authority Having Jurisdiction” that they have reviewed and inspected the structure with all Flood proofing measures in place and provide evidence of final inspection and issuance of Certificate of Occupancy for the structure.

Inspection Certification will be provided by the City of Sarasota.

Inspection Certificate of Occupancy will be provided by the City of Sarasota.

The emergency coordinator shall obtain written certification that all components and systems installed meet the requirements of ASCE 24-05

#### D. PERIODIC INSPECTIONS

1. Opening, anchors, brackets, seals:

The emergency coordinator shall inspect all anchors, brackets and seals by annually to ensure components are accounted for and in good working order.

2. Flood gates:

The emergency coordinator shall inspect all flood gates on an annual basis to ensure the integrity of the flood gates is not compromised.

3. Sump pump operation:

The emergency coordinator shall inspect and confirm that the sump pump is operational on a bi-annual basis.

4. Exterior Envelope:

The emergency coordinator shall inspect quarterly the exterior envelope of the structure for deficiencies of the design flood proofing measures.

5. Exterior Penetrations:

The emergency coordinator shall inspect annually all penetrations to the exterior structure for deficiencies.

6. Maintenance:

The emergency coordinator shall maintain immediately all items listed above found to be deficient. A maintenance log shall be submitted annually to the owner of the property.

#### E. EMERGENCY ACTION PLAN

The emergency coordinator shall follow the emergency action plan and document all procedures.

#### F. PERIODIC REVIEW AND UPDATING OF EAP

The emergency coordinator shall, with the owner and the owners representatives, review and update the emergency action plan on an annual basis and following an event that initiates the emergency action plan.

#### G. EXERCISE AND TRAINING

The owner is responsible to train and provide actual onsite exercising and implementation of the emergency action plan on an annual basis to ensure the plan fully complies with FEMA requirements.



## H. SHIELDS, GATES, BARRIERS AND COMPONENTS

1. The building consists of 73 doors and each is fitted with a flood gate consisting of a light weight composite and is fastened with zinc coated carbon steel directly to the face of the building.
2. Caulking shall be provided to seal all seams to prevent water intrusion. The caulk material shall be silicone.
3. All shields, gates, barriers, components, hardware and any materials or specialized tools necessary to seal the structure shall be stored in B3 Garage Unit KJ Owner's Storage.
4. All shields, gates, barriers, components and associated hardware shall be clearly labeled as to where they shall be installed. Installation instructions shall be stored with all components.

## EMERGENCY ACTION PLAN

Hotel: 1601 Gulf of Mexico Drive  
Champagne – 1591 Gulf of Mexico Drive  
Bateau – 1581 Gulf of Mexico Drive  
Amenity – 1571 Gul of Mexico Drive  
Armand – 1561 Gulf of Mexico Drive

### A. PURPOSE AND SCOPE

1. To safeguard the lives as well as to reduce property damage living within inundation area of a flood protection project.
2. To provide for affective project surveillance and prompt notification to all tenants of the property.
3. To identify emergency actions to be taken by the emergency coordinator in the event of a potential or imminent flooding or failure of the project.



## B. SITUATION

### 1. Project Location

Hotel: 1601 Gulf of Mexico Drive  
Champagne – 1591 Gulf of Mexico Drive  
Bateau – 1581 Gulf of Mexico Drive  
Amenity – 1571 Gul of Mexico Drive  
Armand – 1561 Gulf of Mexico Drive

## C. CONCEPTS OF OPERATION

### 1. Surveillance – Normal Conditions:

The emergency coordinator will conduct onsite visual inspections of the project flood resistant features as outlined in the flood maintenance plan. Any abnormal or questionable conditions will be immediately brought to the attention of the owner and their representatives.

### 2. Surveillance – Unusual Event Conditions:

The emergency coordinator will commence surveillance of conditions at the flood protection site when:

- a. Severe thunderstorms, heavy rains with local flood warnings, tropical storms and hurricanes.
- b. The National Weather Service issues flash floods, tropical storm or hurricane watch or warning and as conditions warrant.

### 3. Early Warning Notification:

The emergency coordinator is responsible for determining the flooding threat potential. The following conditions constitute an early warning notification and require 24 hour around the clock surveillance:

- a. The water level within the flood protection project is rapidly rising and expecting to continue to rise.
- b. Following the occurrence of an earth quack in the general region of the flood protection project.
- c. Debris blockage within the limits of the flood protection project including structure structural failures.

Early warning notification shall be relayed by the emergency coordinator to all tenants within the flood protection project.

### 4. Warning and Evacuation Notification:



5. The emergency coordinator is responsible for determining the flooding threat potential. The following conditions constitute a flood protection emergency requiring warning to tenants and implementation of responsibilities and duties:
  - a. The water level within the flood protection project continues to rapidly rise and is likely to exceed the project design storm.
6. Termination of Surveillance:

The emergency coordinator may terminate 24 hour surveillance of the flood protection project site conditions when:

  - a. All National Weather Service flash flood, tropical storm or hurricane watches or warnings have expired.
  - b. Heavy rains has ended and the water level has receded and is no longer a threat to the flood protected tenant spaces.

The emergency coordinator shall notify the property owner and tenants upon termination of the 24 hour surveillance period and when the site becomes accessible to all tenants.

#### D. RESPONSIBILITIES AND DUTIES – EMERGENCY RESPONSE

1. Confirm sump pump is working:

The emergency coordinator shall ensure the sump pump and all utility connections are in working order. Emergency back up power shall be provided.
2. Relocation of computer and electronics above BFE:

The emergency coordinator shall ensure that all computer and electronic equipment is safely stored above BFE or off site in a non flood region.
3. Anchoring loose objects outside the building:

The emergency coordinator shall anchor or remove all loose objects on site outside of the building. All objects that are not anchored but removed shall be stored above BFE or offsite in a non flood region.
4. Installation and sealing of flood gates:

The emergency coordinator shall;

  - a. Securely place all flood gates in door and window channels and fasten securely.
  - b. Conduct a visual inspection to ensure proper fit and installation.
  - c. Apply synthetic caulking to all seams and joints.
5. Performance evaluation of flood proofing measures during flood event:

The emergency coordinator shall document the performance of the flood proofing



Measure included, but not limited to photographs during the active surveillance period. These records shall be provided to the owner and their representatives.

7. Removal of components:

The emergency coordinator is responsible to remove the flood gates from all openings following notification of the surveillance period ending.

8. Inspection, replacement and re-storage of used components:

The emergency coordinator shall inspect all flood gates components and associated hardware. The emergency coordinator shall also document the extent of damage to all flood gates components and associated hardware to the owner within 48 Hours of removal.

The property owner is responsible to replace all damaged flood gates components and associated hardware within 30 days of the damage report.

The emergency coordinator is responsible to properly store on site all flood gates components and associated hardware and shall properly label the same For future installations.

#### E. ADMINISTRATION AND LOGISTICS

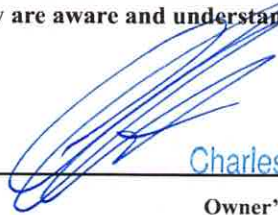
1. The property owner and emergency coordination are responsible to ensure proper posting of FMP and EAP in all common areas.

2. The notice must state that copies of the EAP for flood protection are available at:  
Onsite-  
the wall outside the security office (P1-37) and in the engineering office (P1-66)

Offsite-

1. Ritz-Carlton Director of Engineering office.
  2. St.Regis Director of Engineering house.
  3. digital copy will be on the property's share drive.
3. The emergency coordination is responsible to verify posting of notice and documenting status.

**Owner acknowledges and is aware of the criteria for when the dry flood proofing measures must be installed and they are aware and understand how to install all flood proofing measures.**



Charles Whittall, Manager

8/29/24

Owner's Signature

Date

National Flood Insurance Program

# Elevation Certificate

## and Instructions

**2023 EDITION**

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**FEMA**

## ELEVATION CERTIFICATE AND INSTRUCTIONS

### PAPERWORK REDUCTION ACT NOTICE

Public reporting burden for this data collection is estimated to average 3.75 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting this form. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20742, Paperwork Reduction Project (1660-0008). **NOTE: Do not send your completed form to this address.**

### PRIVACY ACT STATEMENT

**Authority:** Title 44 CFR § 61.7 and 61.8.

**Principal Purpose(s):** This information is being collected for the primary purpose of documenting compliance with National Flood Insurance Program (NFIP) floodplain management ordinances for new or substantially improved structures in designated Special Flood Hazard Areas. This form may also be used as an optional tool for a Letter of Map Amendment (LOMA), Conditional LOMA (CLOMA), Letter of Map Revision Based on Fill (LOMR-F), or Conditional LOMR-F (CLOMR-F), or for flood insurance rating purposes in any flood zone.

**Routine Use(s):** The information on this form may be disclosed as generally permitted under 5 U.S.C. § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/ FEMA-003 – *National Flood Insurance Program Files System of Records Notice 79* Fed. Reg. 28747 (May 19, 2014) and upon written request, written consent, by agreement, or as required by law.

**Disclosure:** The disclosure of information on this form is voluntary; however, failure to provide the information requested may impact the flood insurance premium through the NFIP. Information will only be released as permitted by law.

### PURPOSE OF THE ELEVATION CERTIFICATE

The Elevation Certificate is an important administrative tool of the NFIP. It can be used to provide elevation information necessary to ensure compliance with community floodplain management ordinances, to inform the proper insurance premium, and to support a request for a LOMA, CLOMA, LOMR-F, or CLOMR-F.

The Elevation Certificate is used to document floodplain management compliance for Post-Flood Insurance Rate Map (FIRM) buildings, which are buildings constructed after publication of the FIRM, located in flood Zones A1–A30, AE, AH, AO, A (with Base Flood Elevation (BFE)), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, and A99. It may also be used to provide elevation information for Pre-FIRM buildings or buildings in any flood zone.

As part of the agreement for making flood insurance available in a community, the NFIP requires the community to adopt floodplain management regulations that specify minimum requirements for reducing flood losses. One such requirement is for the community to obtain the elevation of the lowest floor (including basement) of all new and substantially improved buildings, and maintain a record of such information. The Elevation Certificate provides a way for a community to document compliance with the community's floodplain management ordinance.

Use of this certificate does not provide a waiver of the flood insurance purchase requirement. Only a LOMA or LOMR-F from the Federal Emergency Management Agency (FEMA) can amend the FIRM and remove the federal mandate for a lending institution to require the purchase of flood insurance. However, the lending institution has the option of requiring flood insurance even if a LOMA/LOMR-F has been issued by FEMA. The Elevation Certificate may be used to support a LOMA, CLOMA, LOMR-F, or CLOMR-F request. Lowest Adjacent Grade (LAG) elevations certified by a land surveyor, engineer, or architect, as authorized by state law, will be required if the certificate is used to support a LOMA, CLOMA, LOMR-F, or CLOMR-F request. A LOMA, CLOMA, LOMR-F, or CLOMR-F request must be submitted with either a completed FEMA MT-EZ or MT-1 application package, whichever is appropriate. If the certificate will only be completed to support a LOMA, CLOMA, LOMR-F, or CLOMR-F request, there is an option to document the certified LAG elevation on the Elevation Form included in the MT-EZ and MT-1 application.

This certificate is used only to certify building elevations. A separate certificate is required for floodproofing. Under the NFIP, non-residential buildings can be floodproofed up to or above the BFE. A floodproofed building is a building that has been designed and constructed to be watertight (substantially impermeable to floodwaters) below the BFE. Floodproofing of residential buildings is not permitted under the NFIP unless FEMA has granted the community an exception for residential floodproofed basements. The community must adopt standards for design and construction of floodproofed basements before FEMA will grant a basement exception. For both floodproofed non-residential buildings and residential floodproofed basements in communities that have been granted an exception by FEMA, a floodproofing certificate is required.

The expiration date on the form herein does not apply to certified and completed Elevation Certificates, as a completed Elevation Certificate does not expire, unless there is a physical change to the building that invalidates information in Section A Items A8 or A9, Section C, Section E, or Section H. In addition, this form is intended for the specific building referenced in Section A and is not invalidated by the transfer of building ownership.

Additional guidance can be found in FEMA Publication 467-1, *Floodplain Management Bulletin: Elevation Certificate*.

### ELEVATION CERTIFICATE

**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11**

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: <u>SR LBK II LLC</u>	Policy Number: _____
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>1581 Gulf of Mexico Drive</u>	Company NAIC Number: _____
City: <u>Longboat Key</u> State: <u>FL</u> ZIP Code: <u>34228</u>	
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: <u>Parcel ID 0009041240, Public Records of Sarasota County (Bateau Residential Building 2)</u>	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): <u>Residential / Multi-Family</u>	
A5. Latitude/Longitude: Lat. <u>27°21'6.06"</u> Long. <u>-82°36'39.71"</u> Horiz. Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983 <input checked="" type="checkbox"/> WGS 84	
A6. Attach at least two and when possible four clear color photographs (one for each side) of the building (see Form pages 7 and 8).	
A7. Building Diagram Number: <u>6</u>	
A8. For a building with a crawlspace or enclosure(s): a) Square footage of crawlspace or enclosure(s): <u>31174</u> sq. ft. b) Is there at least one permanent flood opening on two different sides of each enclosed area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: Non-engineered flood openings: <u>1</u> Engineered flood openings: <u>33</u> d) Total net open area of non-engineered flood openings in A8.c: <u>6912</u> sq. in. e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): <u>27800</u> sq. ft. f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): <u>34712</u> sq. ft.	
A9. For a building with an attached garage: a) Square footage of attached garage: <u>N/A</u> sq. ft. b) Is there at least one permanent flood opening on two different sides of the attached garage? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: Non-engineered flood openings: <u>N/A</u> Engineered flood openings: <u>N/A</u> d) Total net open area of non-engineered flood openings in A9.c: <u>N/A</u> sq. in. e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): <u>N/A</u> sq. ft. f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): <u>N/A</u> sq. ft.	

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

B1.a. NFIP Community Name: <u>Town of Longboat Key</u>	B1.b. NFIP Community Identification Number: <u>125126</u>		
B2. County Name: <u>Sarasota</u>	B3. State: <u>FL</u>	B4. Map/Panel No.: <u>12115C0126</u>	B5. Suffix: <u>G</u>
B6. FIRM Index Date: <u>03/27/2024</u>	B7. FIRM Panel Effective/Revised Date: <u>03/27/2024</u>		
B8. Flood Zone(s): <u>AE</u>	B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): <u>9'</u>		
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: <input type="checkbox"/> FIS <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other: _____			
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			
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

# ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

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

1581 Gulf of Mexico Drive

City: Longboat Key State: FL ZIP Code: 34228

## FOR INSURANCE COMPANY USE

Policy Number: \_\_\_\_\_

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, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: NGS A 715 Vertical Datum: NAVD 88

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929  NAVD 1988  Other: \_\_\_\_\_

Datum used for building elevations must be the same as that used for the BFE. Conversion factor used?  Yes  No

If Yes, describe the source of the conversion factor in the Section D Comments area.

Check the measurement used:

a) Top of bottom floor (including basement, crawlspace, or enclosure floor): 10.0  feet  meters

b) Top of the next higher floor (see Instructions): 23.0  feet  meters

c) Bottom of the lowest horizontal structural member (see Instructions): 18.5  feet  meters

d) Attached garage (top of slab): N/A  feet  meters

e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area): 8.3  feet  meters

f) Lowest Adjacent Grade (LAG) next to building:  Natural  Finished 9.2  feet  meters

g) Highest Adjacent Grade (HAG) next to building:  Natural  Finished 9.8  feet  meters

h) Finished LAG at lowest elevation of attached deck or stairs, including structural support: N/A  feet  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 state 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 and describe in the Comments area.

Certifier's Name: Charles M. Arnett License Number: LS6884

Title: Professional Surveyor and Mapper

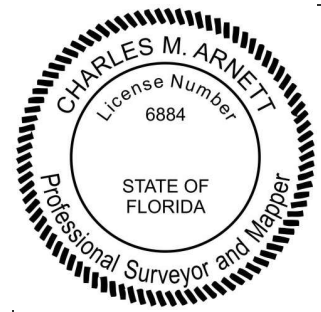
Company Name: GeoPoint Surveying, Inc.

Address: 213 Hobbs Street

City: Tampa State: FL ZIP Code: 33619

Telephone: (813) 248-8888 Ext.: 146 Email: canett@geopointsurvey.com

Signature: Charles M. Arnett Date: 11/22/2024



Place Seal Here

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including source of conversion factor in C2; type of equipment and location per C2.e; and description of any attachments):

Permitted under prior FIRM: B5: F, B6: 11/04/2016, B7: 11/04/2016, B9: AE=10'/11'

C2. Reference Benchmark is NGS Benchmark Designation A 715 / PID DL1844, NAVD88 Elevation = 7.74'

C2.e. Electrical box along northwestern building face

Pictures taken during field visit on 07/12/2024

See Section F for additional comments



# ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

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

1581 Gulf of Mexico Drive

City: Longboat Key

State: FL

ZIP Code: 34228

## FOR INSURANCE COMPANY USE

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

### SECTION E – BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)

For Zones AO, AR/AO, and A (without BFE), complete Items E1–E5. For Items E1–E4, use natural grade, if available. If the Certificate is intended to support a Letter of Map Change request, complete Sections A, B, and C. Check the measurement used. In Puerto Rico only, enter meters.

Building measurements are based on:  Construction Drawings\*  Building Under Construction\*  Finished Construction

\*A new Elevation Certificate will be required when construction of the building is complete.

E1. Provide measurements (C.2.a in applicable Building Diagram) for the following and check the appropriate boxes to show whether the measurement is above or below the natural HAG and the 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 1–2 of Instructions), the next higher floor (C2.b in applicable Building Diagram) 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 AUTHORIZED REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge*

Check here if attachments and describe in the Comments area.

Property Owner or Owner's Authorized Representative Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Telephone: \_\_\_\_\_ Ext.: \_\_\_\_\_ Email: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Comments:

A8.e: Smart Vent: 1540-520 (18\*200), 1540-521 (5\*400), 1540-150203 (3\*1200), 1540-150303 (3\*1800), 1540-150503 (2\*3000), 1540-150603 (2\*3600)

# ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

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

1581 Gulf of Mexico Drive

City: Longboat Key State: FL ZIP Code: 34228

## FOR INSURANCE COMPANY USE

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

### SECTION G – COMMUNITY INFORMATION (RECOMMENDED FOR COMMUNITY OFFICIAL COMPLETION)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Section A, B, C, E, G, or H of this Elevation Certificate. Complete the applicable item(s) and sign below when:

- 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 state law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2.a.  A local official completed Section E for a building located in Zone A (without a BFE), Zone AO, or Zone AR/AO, or when item E5 is completed for a building located in Zone AO.
- G2.b.  A local official completed Section H for insurance purposes.
- G3.  In the Comments area of Section G, the local official describes specific corrections to the information in Sections A, B, E and H.
- G4.  The following information (Items G5–G11) is provided for community floodplain management purposes.
- G5. Permit Number: \_\_\_\_\_ G6. Date Permit Issued: \_\_\_\_\_
- G7. Date Certificate of Compliance/Occupancy Issued: \_\_\_\_\_
- G8. This permit has been issued for:  New Construction  Substantial Improvement
- G9.a. Elevation of as-built lowest floor (including basement) of the building: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G9.b. Elevation of bottom of as-built lowest horizontal structural member: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G10.a. BFE (or depth in Zone AO) of flooding at the building site: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G11. Variance issued?  Yes  No If yes, attach documentation and describe in the Comments area.

The local official who provides information in Section G must sign here. *I have completed the information in Section G and certify that it is correct to the best of my knowledge. If applicable, I have also provided specific corrections in the Comments area of this section.*

Local Official's Name: \_\_\_\_\_ Title: \_\_\_\_\_

NFIP Community Name: \_\_\_\_\_

Telephone: \_\_\_\_\_ Ext.: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Comments (including type of equipment and location, per C2.e; description of any attachments; and corrections to specific information in Sections A, B, D, E, or H):

# ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

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

1581 Gulf of Mexico Drive

City: Longboat Key State: FL ZIP Code: 34228

## FOR INSURANCE COMPANY USE

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

### SECTION H – BUILDING'S FIRST FLOOR HEIGHT INFORMATION FOR ALL ZONES (SURVEY NOT REQUIRED) (FOR INSURANCE PURPOSES ONLY)

The property owner, owner's authorized representative, or local floodplain management official may complete Section H for all flood zones to determine the building's first floor height for insurance purposes. Sections A, B, and I must also be completed. Enter heights to the nearest tenth of a foot (nearest tenth of a meter in Puerto Rico). **Reference the Foundation Type Diagrams (at the end of Section H Instructions) and the appropriate Building Diagrams (at the end of Section I Instructions) to complete this section.**

H1. Provide the height of the top of the floor (as indicated in Foundation Type Diagrams) above the Lowest Adjacent Grade (LAG):

a) For Building Diagrams 1A, 1B, 3, and 5–8. Top of bottom \_\_\_\_\_  feet  meters  above the LAG floor (include above-grade floors only for buildings with crawlspaces or enclosure floors) is:

b) For Building Diagrams 2A, 2B, 4, and 6–9. Top of next higher floor (i.e., the floor above basement, crawlspace, or enclosure floor) is: \_\_\_\_\_  feet  meters  above the LAG

H2. Is **all** Machinery and Equipment servicing the building (as listed in Item H2 instructions) elevated to or above the floor indicated by the H2 arrow (shown in the Foundation Type Diagrams at end of Section H instructions) for the appropriate Building Diagram?

Yes  No

### SECTION I – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and H must sign here. *The statements in Sections A, B, and H are correct to the best of my knowledge.* **Note:** If the local floodplain management official completed Section H, they should indicate in Item G2.b and sign Section G.

Check here if attachments are provided (including required photos) and describe each attachment in the Comments area.

Property Owner or Owner's Authorized Representative Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Telephone: \_\_\_\_\_ Ext.: \_\_\_\_\_ Email: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Comments:

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11**  
**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.:  
 1581 Gulf of Mexico Drive

City: Longboat Key State: FL ZIP Code: 34228

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo One

Photo One Caption: Front View

Clear Photo One



Photo Two

Photo Two Caption: Left View

Clear Photo Two

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11**  
**BUILDING PHOTOGRAPHS**

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:  
 1581 Gulf of Mexico Drive

City: Longboat Key State: FL ZIP Code: 34228

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo Three

Photo Three Caption: Rear View

Clear Photo Three



Photo Four

Photo Four Caption: Right View

Clear Photo Four