



## TOWN OF HILTON HEAD ISLAND

One Town Center Court, Hilton Head Island, S.C. 29928

Phone: 843-341-4757 Fax: 843-842-8908

### V Zone Building Design Certificate

Check one:

Building Design

Finished Construction

#### Section 1: Structure Location and Ownership Information

Structure Owner \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Structure Location \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Other Legal Description \_\_\_\_\_

#### Section 2: Flood Insurance Rate Map (FIRM) Data

NOTE: This information is NOT a substitute for an Elevation Certificate.

FIRM Panel Number \_\_\_\_\_ Panel Suffix \_\_\_\_\_ Flood Zone \_\_\_\_\_ Date of FIRM \_\_\_\_\_

#### Section 3: Elevation Information

Elevations should be rounded to one tenth of a foot

1. Elevation of the bottom of the Lowest Horizontal Structural \_\_\_\_\_ feet
2. Base Flood Elevation (BFE) \_\_\_\_\_ feet
3. Elevation of Lowest Adjacent Grade (LAG) \_\_\_\_\_ feet
4. Elevation of Highest Adjacent Grade (HAG) \_\_\_\_\_ feet
5. Foundation type: \_\_\_\_\_ Piling \_\_\_\_\_ Column
6. Foundation Description:
7. Approximate depth of scour/erosion used for foundation design \_\_\_\_\_ feet
8. Embedment depth of pilings or foundation below LAG \_\_\_\_\_ feet
9. Datum used: \_\_\_\_\_ NGVD 29 \_\_\_\_\_ NAVD 88

### Section 4: V-Zone Certification

NOTE: This section must be certified by a professional engineer or architect registered in the State of South Carolina

I certify that I have developed or reviewed the structural design, plans, and specifications for construction for the above-reference building and proposed design and methods of construction 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 above the BFE; and
- The pile or column foundation and structure attached thereto are anchored to resist floatation, collapse, lateral movement, or other structural damage from the effects of wind and water loads acting simultaneously on all structural 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 5: Breakaway Wall Certifying Statement

NOTE: This section must be certified by a professional engineer or architect registered in the State of South Carolina

I certify that I have developed or reviewed the structural design, plans, and specifications for construction for the above-referenced building and that the proposed 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 walls shall collapse from a water load less than that which would occur during the base flood;
- 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 structure components (wind and water loading values to be used are defined in Section III).

### Section 6: Certification

Check one:  Section 4  Section 5  Section 4 & 5

Certifier's Name \_\_\_\_\_ License number \_\_\_\_\_

Title \_\_\_\_\_ Company Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Telephone Number \_\_\_\_\_ Email \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

Place Seal Here