



# V Zone Building Design & Performance Certificate

For New Construction, Substantial Improvements, and the repair of Substantially Damaged structures in Coastal Special Flood Hazard Area (Zone V)

## Section 1: Structure Location and Ownership Information

To be completed by a Registered Professional Engineer or Architect

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

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

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

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

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

Legal Description of Lot \_\_\_\_\_

Coastal Barriers Resource Act (CBRA) Zone  Yes  No Designation Date \_\_\_\_\_

Date of Construction \_\_\_\_/\_\_\_\_/\_\_\_\_  New Building  Substantial Improvement

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

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

Community Name \_\_\_\_\_ Community ID Number \_\_\_\_\_ FIRM Panel Number \_\_\_\_\_

Panel Suffix \_\_\_\_\_ FIRM Zone \_\_\_\_\_ Date of FIRM Panel \_\_\_\_\_ Date of Index \_\_\_\_\_

## Section 3: Elevation Information

NOTE: Elevations and depths must be rounded to the nearest one tenth (1/10) of a foot

Elevation of the bottom of the Lowest Horizontal Structural Member ..... \_\_\_\_\_ feet

Base Flood Elevation (BFE) ..... \_\_\_\_\_ feet

Elevation of Lowest Adjacent Grade (LAG) ..... \_\_\_\_\_ feet

Elevation of Highest Adjacent Grade (HAG) ..... \_\_\_\_\_ feet

Foundation type:  Piling  Column

Foundation Description: \_\_\_\_\_

Elevation at Bottom of Foundation ..... \_\_\_\_\_ feet

**Section 3: Elevation Information (continued)**

Approximate depth of scour/erosion used for foundation design .....feet/.....feet  
Embedment depth of pilings or foundation below LAG .....feet  
Datum used:    NGVD 29    NAVD 88    Other \_\_\_\_\_

**Section 4: V Zone Certifying Statement**

NOTE: A Registered Professional Engineer or Architect who is authorized by law to certify such information in the State must certify this section.

I certify that I have developed or reviewed the structural design, plans and specifications for construction, and that the proposed design and methods of construction are in accordance with accepted standards of engineering 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 Base Flood Elevation; and
- The pile or column foundation and structure attached thereto are anchored to resist floatation, collapse, and lateral movement due to the effects of wind and water loads acting simultaneously on all structure 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 standards. The potential long-term erosion and local scour for the foundation elements are determined and incorporated in the design for conditions associated with the base flood, including wave action.

**Section 5: Breakaway Wall Certifying Statement**

NOTE: A Registered Professional Engineer or Architect who is authorized by law to certify such information in the State must certify this section.

I certify that I have developed or reviewed the structural design, plans and specifications for construction, and that the proposed design and methods of construction to be used for the breakaway walls are in accordance with accepted standards of engineering 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 action simultaneously on all structure components (structural and nonstructural). The wind and water loading values to be used are those defined in Section 4.

**Section 6: Certification**    Check one:    Section 4    Section 5    Section 4 & 5

Name (please print) \_\_\_\_\_

Title \_\_\_\_\_ License number \_\_\_\_\_

Phone number \_\_\_\_\_ E-Mail \_\_\_\_\_

Representing \_\_\_\_\_

Address \_\_\_\_\_

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

*Certifying Signature*

\_\_\_\_\_



Date \_\_\_\_\_

