



**NATIONAL  
FLOOD  
INSURANCE  
PROGRAM**



## V-Zone and Breakaway Design Certificate

Pre-Construction \_\_\_\_\_ As Built \_\_\_\_\_

For New Construction, Substantial Improvements, and the repair of damage to buildings in Coastal Special Flood Hazard Area (Zone V)

Name of Property Owner: \_\_\_\_\_

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

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

Parcel Number: \_\_\_\_\_

### Section 1: 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 2: Elevation Information

Record elevations to the 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
- Foundation type: Piling \_\_\_/ Post \_\_\_/ Pier \_\_\_/ Column \_\_\_/ Fill \_\_\_/ Shear Wall \_\_\_/  
Foundation Description: \_\_\_\_\_
- Approximate depth of scour/erosion used for foundation design..... \_\_\_\_\_ feet
- Embedment depth of pilings or foundation below LAG..... \_\_\_\_\_ feet
- Datum used: NGVD 29 \_\_\_/ NAVD 88 \_\_\_/ Other \_\_\_\_\_

### Section 3: V Zone Certifying Statement

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 practice for meeting the following provisions:

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

\_\_\_\_\_ (initial)



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**Section 4: Breakaway Wall Certification Statement**

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

- The construction has been done in accordance with the design parameters indicated above. Breakaway walls have a design safe loading resistance of not less than 10 and no more than \_\_\_\_\_ pounds per square foot.
- Breakaway walls collapse shall result from water loads no 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 combined effects of wind and water loads acting simultaneously on all building components, structural and non-structural. Wind loading values used shall be those required applicable by state or local building standards. Water loading values shall be those associated with the base flood. Such enclosed space shall be useable solely for parking of vehicles, building access or limited storage. For “as built” certifications, I am certifying that

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ (initial)

**Certification**

**Certifier’s Name:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Company Name:** \_\_\_\_\_ **Registration Number:** \_\_\_\_\_

**Street Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_ **Telephone Number** \_\_\_\_\_

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

**SEAL:**

**NOTES:**