



**CHARLESTON COUNTY V-ZONE AND COASTAL A ZONE  
BREAKAWAY WALL DESIGN CERTIFICATE**



**PRE-CONSTRUCTION** \_\_\_\_\_

**AS BUILT** \_\_\_\_\_

Name of Property Owner \_\_\_\_\_ Permit No. \_\_\_\_\_  
Building Address \_\_\_\_\_  
TMS # \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

**Flood Insurance Rate Map (FIRM) Information**

Community Number \_\_\_\_\_ Panel Number \_\_\_\_\_ Suffix \_\_\_\_\_  
Date of FIRM Index \_\_\_\_\_

**Elevation Information**

1. Base Flood Elevation (BFE) \_\_\_\_\_ feet Design Flood Elevation (DFE) \_\_\_\_\_ feet
2. Bottom of Lowest Horizontal Structural Member \_\_\_\_\_ feet
3. Elevation of Lowest Adjacent Grade \_\_\_\_\_ feet
4. Datum Used: NGVD 29 \_\_\_\_\_ NAVD 88 \_\_\_\_\_ Other \_\_\_\_\_

**V-Zone Certification Statement**

**NOTE: Certificate must be signed and sealed by a registered professional engineer or architect. Breakaway wall construction details must be shown on construction plans that are signed and sealed by a registered professional engineer or architect.**

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:

- 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 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 associated with the base flood. Such enclosed space shall be useable solely for parking of vehicles, building access or limited storage of maintenance items.

For "As Built" certifications, I am certifying that the construction has been done in accordance with the design parameters indicated above.

**Certification**

Certifier's Name: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Registration number: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_  
Zip: \_\_\_\_\_ Telephone: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**SEAL:**

