

# Village of Bald Head Island V-Zone Breakaway Wall Design Certificate

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

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

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

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

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## Flood Insurance Rate Map (FIRM) Information

Community Number: \_\_\_\_\_ Panel Number: \_\_\_\_\_ Suffix: \_\_\_\_\_

Date of FIRM Index: \_\_\_\_\_

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## Elevation Information

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

2. Bottom of Lowest Horizontal Structural Member \_\_\_\_\_ feet (NGVD)

3. Elevation if Lowest Adjacent Grade \_\_\_\_\_ feet (NGVD)

4. Datum Used: NGVD 29 \_\_\_\_\_ NAVD 88 \_\_\_\_\_ Other \_\_\_\_\_

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## Breakaway Wall Certification Statement

**NOTE: Certificate must be signed and sealed by a registered professional engineer or architect. A signed and sealed copy of this statement must also appear on the approved construction plans detailing breakaway wall construction.**

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 \_\_\_\_\_ pound 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 the construction has been done in accordance with the design parameters indicated above.

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## Certification

Certifier's Name: \_\_\_\_\_ Title: \_\_\_\_\_

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

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Telephone #: \_\_\_\_\_

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

SEAL: