



County of Gloucester
Building Inspections Department
Building Two
6489 Main St., Suite 247, P. O. Box 329
Gloucester, Virginia 23061
Phone: 804 693-2744 Fax: 804 824-2440

VE ZONE DESIGN & BREAK-A-WAY WALL CERTIFICATION

(must be completed and sealed by architect or engineer)

Property Owner Name _____ Permit # _____
Building Address or Other Description _____
_____ State _____ Zip Code _____

SECTION I: Flood Insurance Rate Map (FIRM) Information

Community No. 510071 Map/Panel No. _____ Suffix _____
FIRM Zone(s) _____ FIRM Date November 19, 2014

SECTION II: V Zone Design Certification Statement

I certify that:

(1) I have developed or reviewed the structural design, plans, and specifications for construction and (2) that the design and methods of construction used 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 two (2) feet above the BFE; and
- The pile and column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of the 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 Virginia Uniform Statewide Building Code (USBC). The potential for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.
- Electrical, mechanical, and plumbing system components are not to be mounted on or penetrate through walls that are designed to break away under wind and flood loads.

SECTION III: Breakaway Wall Inspection Certification Statement

I certify that (1) I have inspected the structural design, plans, and specifications for construction and (2) inspected the methods of construction for the breakaway walls constructed (3) Using the allowable stress design that include the 100 mph wind zone and resistance of more than 20 psi (0.96 kN/m²) and found they are in accordance with accepted standards of practice for meeting the following provisions:

- Breakaway wall collapse shall result from a water load less than that which would occur during the design flood; and

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- 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 building components (structural and nonstructural).

SECTION IV: Certification and Seal

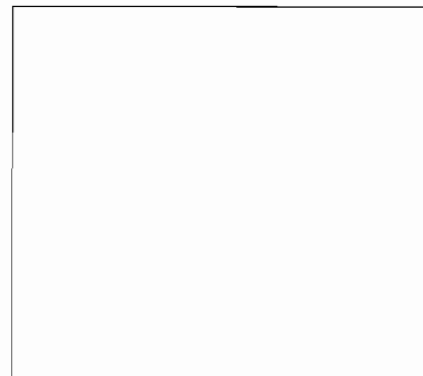
This certification is to be signed and sealed by a registered professional engineer or architect authorized by law to certify structural designs. *I certify the V Zone Design Certification Statement in Section II and the Breakaway Wall Inspection Certification Statement in Section III.*

Certifier's Name _____

License Number _____

Title Company Name _____

Address City, State, Zip



Design Professional Seal Here