



**TOWN OF SULLIVAN'S ISLAND  
COASTAL V-ZONE DESIGN CERTIFICATE**

PRE-CONSTRUCTION: \_\_\_\_\_ AS BUILT: \_\_\_\_\_

Name of Property owner: \_\_\_\_\_ Permit number: \_\_\_\_\_

Street Address: \_\_\_\_\_ TMS#: \_\_\_\_\_

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

**FLOOD INSURANCE RATE MAP INFORMATION**

*\*THIS DOCUMENT MUST APPEAR ON THE PLANS. \**

Community #: 455418 Map and Panel #: \_\_\_\_\_ Suffix: \_\_\_\_\_

Firm Index Date: 1/29/2021

**ELEVATION INFORMATION**

Required Base Flood Elevation (BFE): \_\_\_\_\_ ft. Finished Floor: \_\_\_\_\_ ft.

Bottom of lowest horizontal structure member: \_\_\_\_\_ ft.\*\*

Elevation of mechanical/electrical equipment below structure: \_\_\_\_\_ ft.

Elevation of lowest adjacent grade: \_\_\_\_\_ ft. Highest adjacent grade: \_\_\_\_\_ ft.

Elevation of existing grade (measured at center of structure): \_\_\_\_\_ ft.\*

Elevation of highest roof ridge: \_\_\_\_\_ ft.

Datum used: NGVD29: \_\_\_\_\_ NAVD88: \_\_\_\_\_

*\*This elevation must be determined before construction plans are submitted. Building Official will determine existing grade using an existing topographic survey supplied by the applicant. \**

**STRUCTURAL INFORMATION**

Building code used to develop and/or review structure: \_\_\_\_\_

Basic wind speed: \_\_\_\_\_ Exposure Category: \_\_\_\_\_ Seismic design category: \_\_\_\_\_ D2 \_\_\_\_\_

Certifier's name: \_\_\_\_\_

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

SEAL

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



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**COASTAL V-ZONE CERTIFICATION STATEMENT**

**NOTE: Certificate must be signed and sealed by a registered professional engineer or architect.**

\*THIS DOCUMENT MUST APPEAR ON THE PLANS.\*

I certify that based upon development and/or review of structural design specifications and plans for construction including consideration of the hydrostatic and hydrodynamic impact and wind loading involved, the design methods of construction are in accordance with accepted standards of practice for meeting the following provisions:

1. The finished first floor and all mechanical equipment is elevated to or above base flood elevation plus one foot.
2. The pile or column foundation and structure is anchored to prevent flotation or collapse and lateral movement due to the effects of wind and water loads acting simultaneously on all building components. Water loading values are those associated with the bases flood. Wind loading values are those required by the International Residential Code, 2018 Edition, as adopted by the Town of Sullivan's Island. The potential for scour has been considered for conditions associated with the base flood plus one foot.

**For "as built" certifications, I am certifying that the construction has been done in accordance with the design parameters indicated above. THIS DOCUMENT MUST ALSO APPEAR ON THE PLANS.**

Certifier's name: \_\_\_\_\_

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

SEAL

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



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Street Address: \_\_\_\_\_ TMS#: \_\_\_\_\_

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

**BREAKAWAY WALL CERTIFICATION STATEMENT**

**\*THIS DOCUMENT MUST APPEAR ON THE PLANS. \***

I certify that I have developed or reviewed the design, plans and specifications for construction of the breakaway walls for the structure noted above. The design and 7/5/2017/5/2017 methods of construction are in accordance with meeting the accepted standards of practice with the following provisions:

1. Breakaway walls have a design safe loading resistance of not less than \_\_\_\_\_ lbs. and no more than \_\_\_\_\_ lbs.
2. Breakaway wall collapse shall result from a water load less than that which would occur during the base flood plus one foot.
3. The elevated portion of the structure and supporting foundation system shall no 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 stated in the International Residential Code 2018 Edition. Water loading values shall be those associated with the base flood plus one foot.

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

Certifier's address: \_\_\_\_\_

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

SEAL

License #: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

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



**TOWN OF SULLIVAN'S ISLAND  
COASTAL V-ZONE DESIGN CERTIFICATE  
INFORMATION AND REQUIRED DOCUMENTATION**

1. Sullivan's Island requires basically the same documentation for V-Zones as it does for A-Zones.
2. All solid walls below base flood elevation must be constructed of a breakaway design certified by a certified design professional, be of class 4 or 5 materials and must have vents to allow the free flow of water into and out of the enclosed area. Vents must equal 1 square inch for every square foot of enclosed area and be no more than 12 inches above grade. **TOTAL ENCLOSED AREA MUST NOT EXCEED 200 SQAURE FEET** of solid breakaway walls. The remaining area below a structure may only be enclosed with lattice of an open design (1" gaps) and it must also be of a breakaway design certified by a breakaway design professional.
3. **CERTIFICATIONS MUST APPEAR ON TH EPLANS AS WELL AS BREAKWAY WALL SECTIONS** reflecting what is to be built. Both solid wall and lattice wall details must be provided.

**NOTE:**

1. **A Certificate of Occupancy will not be issued without an as built survey. Please advise the owner of the property or the builder than an inspection of the framing, strapping, etc. will be required by the engineer in order for the engineer to sign off on the as built survey.**
2. **All provided documentation must have original seals and signatures.**
3. **It is understood that some of the information of these forms must be verified or derived from information provided by a surveyor. Please attach a copy of any documentation used to reference this information.**
4. **Sullivan's Island has adopted a one-foot freeboard.**