



CHARLESTON COUNTY V-ZONE DESIGN CERTIFICATE FOR V-ZONES AND COASTAL A ZONES



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 (All data must be in NAVD 88)

1. Base Flood Elevation (NAVD 88 BFE) _____ feet Design Flood Elevation (NAVD 88 DFE) _____ feet
2. Bottom of Lowest Horizontal Structural Member (**Structure**) _____ feet
3. Bottom of Lowest Horizontal Structural Member (**Utility Stand(s)**) _____ / _____ feet
4. Elevation of Lowest Adjacent Grade _____ feet
5. Approximate Depth of Anticipated Scour/Erosion used for Foundation Design (**Structure**) is _____ feet
6. Embedment Depth of Pilings/Columns/Footing (**Structure**) Below Lowest Adjacent Grade is _____ feet
7. Approximate Depth of Anticipated Scour/Erosion used for Foundation Design (**Utility Stand(s)**) is _____ / _____ feet
8. Embedment Depth of Pilings/Columns/Footing (**Utility Stand(s)**) Below Lowest Adjacent Grade is _____ / _____ feet

V-Zone Certification Statement

NOTE: Certificate must be signed and sealed by a registered professional engineer or architect. Construction plans must be in accordance with this certification and must be 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. The design and methods of construction to be used are in accordance with accepted standards of practice (including ASCE 24-14) and for meeting the following provisions:

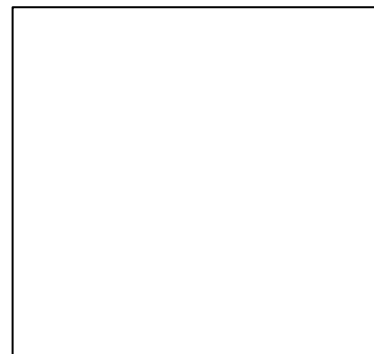
- The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is elevated to a minimum at two (2) foot above the BFE; and
- The pile or column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the combined 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.

For "As Built" certification, 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:



**EFFECTIVE
March 2025**

