



V-Zone Building Design and Performance Certificate

Updated 6/5/2023

GENERAL INFORMATION

- To be used for new Construction and Substantial Improvements in Coastal High Hazard Areas.
- This certificate is NOT a replacement for the FEMA Elevation Certificate.
- Form must be completed by a Licensed Professional Engineer or Architect, authorized to certify such information by State.

SECTION I – STRUCTURE ADDRESS

Structure Address: _____

City: _____ State: _____ Zip: _____

SECTION II – ELEVATION INFORMATION (Record elevations to one tenth of a foot.)

Per City of Tampa [Chapter 5-111.81](#), a datum of NAVD 88 shall be used.

Elevation of the bottom of the Lowest Horizontal Structural Member..... _____ feet.

Base Flood Elevation (BFE)..... _____ feet.

Elevation of Lowest Adjacent Grade (LAG)..... _____ feet.

Depth of scour/erosion used for foundation design..... _____ feet.

Embedment depth of pilings or foundation below LAG..... _____ feet.

SECTION III – V-ZONE CERTIFYING STATEMENT

I certify that I have developed or reviewed the structural design, plans, and specifications for construction and that the proposed design and methods of construction are in accordance with accepted standards of engineering practice for meeting the following provisions:

- (i) The bottom of the lowest horizontal structural member of the lowest floor (excluding pilings or columns) is elevated to above the DFE; and
- (ii) The pile or column foundation and structure attached thereto are anchored to resist flotation, collapse, lateral movement, or other structural damage from the effects of wind and water loads acting simultaneously on all structure 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 standards. The scour and erosion at the foundation have been estimated for conditions associated with the base flood, including wave action.

SECTION IV – BREAKAWAY WALLS CERTIFYING STATEMENT

I certify that I have developed or reviewed the structural design, plans, and specifications for construction and that the proposed design and methods of construction are in accordance with accepted standards of engineering practice for meeting the following provisions (**check one**):

- (i) Breakaway walls will collapse under wind and water loads without causing collapse, displacement, or other structural damage to the elevated portion of the building or supporting foundation system; and
- (ii) Breakaway walls are designed to have a safe loading resistance of not less than 10 and no more than 20 pounds per square foot.

Breakaway walls are designed to exceed a safe loading resistance of 20 pounds per square foot, and meet the following conditions:

- (i) Breakaway walls will collapse from a water load less than that which would occur during the base flood; and
- (ii) 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 non-structural); the water loading values used shall be those associated with the base flood; and the wind loading values used shall be those required by applicable State or local standards.

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SECTION 5 – CERTIFICATION

Check one:

Sections III only (V-Zone Certifying Statement)....._____.

Section III and IV (V-Zone Certifying Statement and Breakaway Walls Certifying Statement)_____.

Section IV only (Breakaway Walls Certifying Statement)_____.

Printed Name: _____

Title: _____ License No.: _____

Phone No.: _____ Email: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Certifying professional's seal,
signature, license number
and date