V Zone Building Design and Performance Certificate

For New Construction, Substantial Improvements, and the Repair and Substantially Damaged Structures in Coastal Special Flood Hazard Area (Zone V)

Section 1: Structure Location and Ownership Information

To be completed by a Registered Professional Engineer or Architect

Structure Owner _____

Mailing Address _____

Structure Location _____

Latitude _____ Longitude _____ County _____

Other Legal Description _____

Section 2: Flood Insurance Rate Map (FIRM) Data

NOTE: This Certificate is NOT a substitute for an Elevation Certificate.

Community Name _____ Community ID Number _____

FIRM Panel Number _____ Panel Suffix _____

FIRM Zone _____ Date of FIRM Panel _____ Date of Index _____

Section 3: Elevation Information

Record elevations to one tenth of a foot.

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

Base Flood Elevation (BFE)……_____ feet

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

Elevation of Highest Adjacent Grade (HAG) ……_____ feet

Foundation type: Piling __/ Post __/ Pier __/ Column __/ Fill __/ Shear Wall __/ Enclosed Wall __/

Foundation Description: _____

Elevation at Bottom of Foundation ……_____feet

Approximate depth of scour/erosion used for foundation design ……_____ feet

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

Datum used: NGVD 29 __/ NAVD 88 __/ Other _____

Date of Construction ___/___/___ Improvement/Repair (to existing bldg) __/ New Building __/

Section 4: 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 practice for meeting the following provisions:

The bottom of the lowest horizontal structural member of the lowest floor (including piles and columns) is elevated to above the BFE; and

The pile or column foundation and structure attached thereto are anchored to resist floatation, 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 code. The potential for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.

Section 5: Breakaway Wall 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 practice for meeting the following provisions:

Breakaway walls shall collapse from a water load no more than that which would occur during the base flood;

The elevated portion of the building and supporting foundation system shall not be subject to collapse simultaneously on all structure components; and

The space below the lowest floor is designed to be used solely for parking of vehicles, building access, and/or storage.

Section 6: Certification

Check one: Section 4 ___/ Section 5 ___/ Sections 4 & 5 __/

Name (please print) _____

Title _____ License Number _____

Phone Number _____ Email _____

Representing _____

Address _____

City _____ State _____ Zip Code _____

Certifying Seal or

Stamp & Signature