



National Flood Insurance Program V-Zone Certification

(For New Construction, Substantial Improvements, and Substantially Damaged Structures)

Section 1: Structure Location and Ownership Information

Structure Owner City of Key West

Structure Address 202 William St.

City Key West State FL Zip Code 33040

Structure Location _____

Latitude N _____ Longitude W _____ County Monroe

Other Legal Description _____

Coastal Barriers Resource System (CBRS) Area/OPA: Yes No Designation date: 11/16/1991

Date of Construction: / / Improvement Restoration New Building

Section 2: Flood Insurance Rate Map (FIRM) Data

Note: This information is NOT a substitute for an Elevation Certificate.

Community Name Key West, FL Community ID No. 120168 FIRM Panel Number 1516

Suffix K Effective Date of FIRM Panel 02/15/2005 Index Date 02/15/2005 LOMC Date _____

Section 3: Elevation Information

(Must be certified by a registered professional engineer, architect, or surveyor, authorized by State of Florida to certify such information.)

Note: Elevations should be rounded to one tenth of a foot.

1. Elevation of the bottom of the lowest horizontal structural member..... 13.5 feet
2. Orientation of lowest horizontal structural member to wave action Perpendicular Parallel
3. Base Flood Elevation (BFE)..... 10 feet
4. Elevation of Lowest Adjacent Grade (LAG)..... 3.4 feet
5. Elevation of Highest Adjacent Grade (HAG)..... 3.5 feet
6. Foundation type: Piling Column
7. Foundation Description: 16" diameter augercast piles connected by pile caps and grade beams
8. Estimated depth of scour/erosion used for foundation design..... 3.33 feet
9. Embedment depth of pilings or foundation below LAG..... 10 feet
10. Datum used: NGVD 29 NAVD 88 Other _____

Section 4: Foundation Design & Anchoring Certification

(Must be certified by a registered professional engineer or architect, authorized by State to certify such information.)

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:

- (i) The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is elevated to above the Base Flood Elevation; and
- (ii) The pile or column foundation and structure attached thereto is anchored to resist flotation, collapse, lateral movement, and other structural damage from the 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 erosion and scour at the foundation have been incorporated in design for conditions associated with the base flood, including wave action.

Section 5: Breakaway Wall Design Certification

(Must be certified by a registered professional engineer or architect, authorized by State to certify such information.)

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

- (i) Breakaway walls shall collapse under wind and water loads less than those that would occur during the base flood;
- (ii) The elevated portion of the building and supporting foundation system shall not be subject to flotation, collapse, lateral movement, and other structural damage due to the effects of wind and water loads acting simultaneously on all building components (wind and water loading values to be used are defined in Section 4).

Section 6: Certification

Check one: Section 4 Section 5 Sections 4 & 5

Certifier's Name (print) Steven Goldstein

Title Chief Engineer - Building Structures

License number 44423 State FL

Telephone Number 305 670-2350 EMAIL sgoldstein@bcceng.com

Company Name BCC Engineering

Address 7300 N. Kendall Drive, Suite 400

City Miami State FL Zip Code 33156

Signature *Steven Goldstein*

Date 7/30/12

