



CITY OF  
**MARATHON**, FLORIDA

Building Department

9805 Overseas Hwy, Marathon, FL 33050  
Phone (305) 743-0033 www.ci.marathon.fl.us

**V-Zone Certification**

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

**Section 1: Structure Location and Ownership Information**

Structure Owner \_\_\_\_\_

Structure Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Structure Location \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ County \_\_\_\_\_

Legal Description \_\_\_\_\_

Coastal Barriers Resource System (CBRS) Area/OPA Yes  No  Designation date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Date of Construction: \_\_\_\_/\_\_\_\_/\_\_\_\_ Improvement/Repair (to existing Bldg.)  New Building

**Section 2: Flood Insurance Rate Map (FIRM) Data**

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

Community Name City of Marathon Community ID Number 120681 Panel Number \_\_\_\_\_

Panel Suffix \_\_\_\_\_ Flood Zone \_\_\_\_\_ Date of FIRM Panel \_\_\_\_\_ Index Date \_\_\_\_\_

**Section 3: Elevation Information**

(Must be certified by a registered professional engineer, architect, or surveyor, authorized by law 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 of the LF..... \_\_\_\_\_ Feet

2. Base Flood Elevation (BFE) ..... \_\_\_\_\_ Feet

3. Design Flood Elevation (DFE) ..... \_\_\_\_\_ Feet

4. Elevation of Lowest Adjacent Grade (LAG) ..... \_\_\_\_\_ Feet

5. Elevation of Highest Adjacent Grade (HAG) ..... \_\_\_\_\_ Feet

6. Foundation type: Piling  Column  Anchoring Only, no foundation

7. Foundation/Anchoring Description: \_\_\_\_\_

8. Approximate depth of scour/erosion used for foundation design below LAG ..... \_\_\_\_\_ Feet

9. Embedment depth of pilings/columns or foundation below LAG ..... \_\_\_\_\_ Feet

10. Datum used: NGVD 29  NAVD88  Other  \_\_\_\_\_

#### **Section 4: Foundation Design & Anchoring Certification**

(Must be certified by a registered professional engineer or architect, authorized by law 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 structural 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 law 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 collapse, displacement, 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: Pool and Accessory Development Design Certification**

(Must be certified by a registered professional engineer or architect, authorized by law 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 in accordance with accepted standards of practice for meeting the following provisions:

- (i) The foundation or anchoring and the construction attached thereto is anchored to resist flotation, collapse, permanent lateral movement, and other structural damage from the effects of wind and water loads acting simultaneously on all building components and will not damage the foundation or exacerbate scour of adjacent buildings. 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.
- (ii) Decks and patios will remain intact and in place during the base flood or break apart into small pieces so that the resulting debris will not damage nearby structures.
- (iii) Fences are designed to fail under base flood conditions without the resulting debris damaging nearby structures.

**Section 7: Certification**

**Check all applicable:** Section 3  Section 4  Section 5  Section 6  circle applicable i ii iii

Certifier's Name (print): \_\_\_\_\_

Title: \_\_\_\_\_

License number: \_\_\_\_\_ State: \_\_\_\_\_

Company Name: \_\_\_\_\_

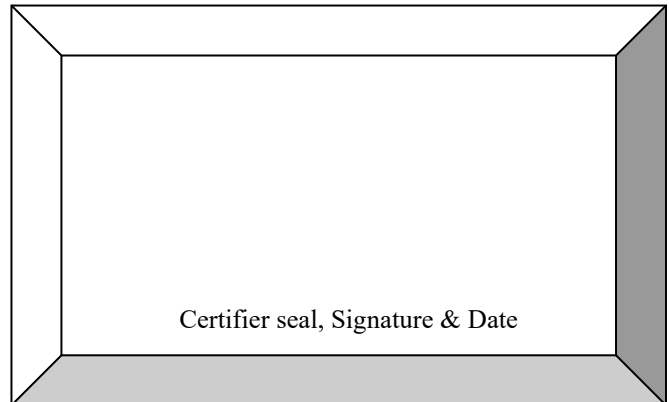
Mailing Street Address: \_\_\_\_\_

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

Telephone Number: \_\_\_\_\_ Email: \_\_\_\_\_

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

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



**City of Marathon**