

# V-ZONE CONSTRUCTION CERTIFICATE

Building Permit No. \_\_\_\_\_ Owner: \_\_\_\_\_

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

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

\*\*\*\*\*

## Section I - Elevation Information

1. Bottom of the Lowest Horizontal Structural Member \_\_\_\_\_ ft.
2. Base Flood Elevation \_\_\_\_\_ ft.
3. Flood Protection Elevation \_\_\_\_\_ ft.
4. Elevation of Highest Adjacent Grade \_\_\_\_\_ ft.
5. Elevation of Lowest Adjacent Grade \_\_\_\_\_ ft.
6. Elevation of Bottom of Pilings or Foundation \_\_\_\_\_ ft.

\*\*\*\*\*

## Section II - V-Zone Certification Statement

I certify that based upon development and/or review of structural design, specifications, and plans for construction including consideration of the hydrostatic, hydrodynamic and impact loading involved, that the 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 (excluding the pilings or columns) is elevated to or above the Flood Protection Elevation (F.P.E.).

The pile or column foundation and structure attached thereto is anchored to resist flotation, collapse and lateral movement due to the effects of wind and water loads acting simultaneously on all building components.

\*\*\*\*\*

## Section III - Breakaway Wall Certification Statement

I certify that based upon development and/or review of structural design, specifications, and plans for construction that the design and methods of construction of the breakaway walls are in accordance with accepted standards of practice for meeting the following provisions:

Breakaway collapse shall result from a safe design loading 20 pounds per square foot. Said walls are capable of resisting a safe design loading of 10 pounds per square foot.

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.

The space below the lowest floor is useable solely for parking of vehicles, building access and storage.

\*\*\*\*\*

## Section IV - Certification

**Check one:** Section II \_\_\_\_\_ Section III \_\_\_\_\_ Sections II and III \_\_\_\_\_

Certifier's Name: \_\_\_\_\_

Title: \_\_\_\_\_ License Number: \_\_\_\_\_

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

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

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

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

# SUPPLEMENTAL CODE ANALYSIS

## FOR V-ZONES

OWNER'S NAME: \_\_\_\_\_

FLOOD ZONE: \_\_\_\_\_ ELEVATION REQUIRED \_\_\_\_\_

LOCATION: \_\_\_\_\_

SEALED SURVEY SUBMITTED SHOWING EXISTING GRADES ABOVE MEAN SEA LEVEL:   y     n  

TYPE OF PILING \_\_\_\_\_ STRUCTURAL ENGINEER \_\_\_\_\_

TYPE OF ENCLOSURE WALLS BELOW DFE \_\_\_\_\_

SHEAR WALLS PARALLEL TO THE FLOW OF WATER: YES \_\_\_\_\_ NO \_\_\_\_\_

### INCORPORATE V-ZONE CERTIFICATE AND BREAKAWAY CUT INTO ANALYSIS

ROOF UPLIFT LOADS REQUIREMENT AND TYPE OF ANCHORAGE \_\_\_\_\_

ROOF SHEATHING FASTENINGS REQUIREMENTS \_\_\_\_\_

ROOF SHINGLES OR COVERINGS (ROOF TILE) FASTENINGS REQUIREMENTS \_\_\_\_\_

CLADDING WIND LOADS \_\_\_\_\_

ELEVATORS BREAKAWAY \_\_\_\_\_ MEETS V-ZONE PERFORMANCE STANDARDS OF  
FEMA BULLETIN 88-3

STAIRS BREAKAWAY \_\_\_\_\_ MEETS V-ZONE PERFORMANCE STANDARDS OF  
FEMA BULLETIN 88-3

ALL WIND RESISTANCE CONNECTORS SHOWN ON PLANS \_\_\_\_\_

FLOOD RESISTANT MATERIALS LISTED BY TYPE & LOCATION \_\_\_\_\_

FLOOD RESISTANT MATERIALS LISTED BY TYPE & LOCATION \_\_\_\_\_

POTABLE WATER BACKFLOW PREVENTOR TYPE \_\_\_\_\_ LOCATION \_\_\_\_\_

**ARCHITECT'S OR ENGINEER'S SEAL REQUIRED**

**V-zone construction certification**

**POLICY:**

A V-Zone Construction Certificate shall be submitted and approved by the FEMA Coordinator prior to issuance of a Building Permit for any structure in the V-Zone. A Licensed Architect or Professional Engineer (P.E.) shall complete the V-Zone Construction Certificate.

**PROCEDURE:**

1. The V-Zone Construction Certification form shall be attached to the approved Floodplain Management Permit when required.
2. This form shall be completed and submitted with the Building Permit Application.
3. The Permitting Technician shall verify that the form bears the signature and embossed seal of an architect or engineer licensed in Florida.
4. The Permitting Technician shall verify that the submitted documents contain structural details and plans signed and sealed by the same architect or engineer that executed the Elevation Certificate form.
5. The FEMA Coordinator shall review the Certification form and the structural plans prior to the issuance of a Building Permit.
6. A copy of the Certification shall be attached to the field set of permit plans.
7. A copy of the V-Zone Construction Certificate will be filed in both the Elevation Certificate archive and the permit application archive. The accepted reference shall be the Coastal Construction Manual FEMA 55/latest edition.