MANATEE COUNTY
FLORIDA

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 floodway. 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 V-Zone Construction Certificate.

5. The Plans Examiner shall verify the correctness and completeness of the structural plans and details to assure compliance with the V-Zone Construction Certificate. These details should include: footings, pilings, pile caps, grade beams, concrete slabs, connections between pilings and horizontal beams, connections between floor joist and beams, connections between shear walls or exterior walls, floor or roof systems, connections between trusses or rafters and the supporting wall or member, fastener schedules for floor and roof diagrams and for shear walls, breakaway walls, uplift connections and wind bracing. Designation of the connectors and fasteners shall be specific as to load resistance rating. References such as “per code” are not acceptable.

6. The FEMA Coordinator shall review the Certification form and the structural plans prior to the issuance of a Building Permit.

7. A copy of the Certificate shall be attached to the field set of permit plans.

8. The accepted reference shall be the Coastal Construction Manual FEMA P-55/August 2011.

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V-ZONE CONSTRUCTION CERTIFICATE

Building Permit No.: _____ Owner: _____ Policy No (Insurance Co. Use) _____

Street Address: _____

City: _____ State: _____ Zip: _____

Flood Insurance Rate Map (FIRM) Information

Community No. _____ Panel No. _____ Suffix _____ FIRM Date _____ FIRM Zone(s)

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Section I – Elevation Information

1.	Base Flood Elevation	_____ ft.*
2.	Flood Protection Elevation	_____ ft.*
3.	Elevation of the Bottom of Lowest Horizontal Structural Member	_____ ft.*
4.	Elevation of Lowest Adjacent Grade	_____ ft.*
5.	Elevation of Highest Adjacent Grade	_____ ft.*
6.	Depth of Anticipated Scour/Erosion used for Foundation Design	_____ ft.
7.	Elevation of Bottom of Pilings or Foundation	_____ ft.

* Indicate elevation datum used in 1-5: ☐ NGVD29 ☐ NAVD88 ☐ Other _____

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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:

1. 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.)
2. The pile or column foundation and structure attached thereto is anchored to resist flotation, collapse and lateral movements due to the effects of wind and water loads acting simultaneously on all building components.

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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.

1. 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.
2. 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.
3. The space below the lowest floor is useable solely for parking of vehicles, building access and storage. The area enclosed by solid breakaway walls with one inch clear space between adjacent solid walls does not exceed 299 square feet gross area. The space below is free of obstructions in accordance with FEMA Technical Bulletin 5-August 2008.

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Section IV – Certification

Check one: ☐ Section II ☐ Section III ☐ Section II and III

Certifier's Name: _____ License Number: _____

Title: _____ Company Name: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Signature: _____ Telephone: _____

(seal required)

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Development Services Department
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