

# National Flood Insurance Program V-Zone Design Certificate (Pools & Spas)

*For Registered Engineers and Architects*

THIS FORM TO BE USED FOR POOLS AND SPAS IN V ZONES AND COASTAL A ZONES

Property Owner Name \_\_\_\_\_

Address/Parcel ID \_\_\_\_\_

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

Project type: Swimming Pool \_\_\_\_\_ Spa \_\_\_\_\_ (Check one)

## SECTION I: Flood Insurance Rate Map (FIRM) Information

Community Number \_\_\_\_\_ Panel Number \_\_\_\_\_ Suffix \_\_\_\_\_

Date of FIRM Index \_\_\_\_\_ FIRM Zone \_\_\_\_\_

## SECTION II: Elevation Information

1. Elevation of the Bottom of Lowest Horizontal Structural Member ..... \_\_\_\_\_ feet (NAVD)
2. Base Flood Elevation (BFE)..... \_\_\_\_\_ feet (NAVD)
3. Design Flood Elevation (DFE)..... \_\_\_\_\_ feet (NAVD)
4. Elevation of Lowest Adjacent Grade ..... \_\_\_\_\_ feet (NAVD)
5. Approximate Depth of Anticipated Scour/Erosion used for Foundation Design... \_\_\_\_\_ feet (NAVD)
6. Embedment Depth of Pilings or Foundation below Lowest Adjacent Grade..... \_\_\_\_\_ feet (NAVD)

## SECTION III: V-Zone Certification Statement

*NOTE. This section must be certified by a registered engineer or architect*

I certify that I have developed or reviewed the structural design, plans, and specifications for construction of the pool and that the design and methods of construction to be used are in accordance with accepted standards of practice and ASCE 24, and FBC R322.3.3.1 for meeting the following provisions:

- The pool/spa, as proposed, will not lead to increased flood loads on adjacent buildings, or exacerbate scour and erosion near adjacent buildings; and
- The pile foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of the wind and water loads acting simultaneously on the pool 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 IV: Certification

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

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

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

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

Telephone Number \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

SEAL