

Checklist for V-Zone Design Certificates

Note that the V-Zone design certificates certify the design of structures in the V Zone, and must be used in conjunction with finished construction Elevation Certificates.

Property Information

- Complete property address

Design Elevations

- All elevations must be in a consistent vertical datum (preferably the same datum as the community's FIRM).
- Base Flood Elevation (BFE)
- Elevation of Bottom of Lowest Horizontal Structural Member
- Elevation of Lowest Adjacent Grade (LAG)
- Depth of anticipated scour/erosion used for foundation design
- Embedment depth of pilings or foundation below Lowest Adjacent Grade

What the Signatory is Certifying: For ALL certified structures, the design professional has either developed or reviewed the designs, plans, and specifications for the structure and found that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the following provisions:

- The lowest horizontal structure is above the Base Flood Elevation (BFE)
- The pile and column 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 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 for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.

For certified structures with breakaway walls exceeding a design safe loading resistance of 20 pounds per square foot. The design professional has either developed or reviewed the structural design, plans, and specifications for construction and that the 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:

- Breakaway wall collapse shall result from a water load less than that which would occur during the base flood; and
- 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.

NOTE: It must be clear on the form that the design professional is or is not certifying the structure for breakaway walls. Adding the text "if applicable" to the breakaway wall clause is not sufficient proof that the walls have been certified.

Information on Design Professional

- Name
- Signature
- License number
- Date