

# St. Johns County Building Department



## V Zone Building Design and Performance Certificate

For New Construction, Substantial Improvements, and the repair of Substantially Damaged structures in S.F.H.A. (Zone V).

### Section 1: Structure Location and Ownership Information

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

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

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

Structure Location: \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

County: \_\_\_\_\_ Other Legal Description: \_\_\_\_\_

Coastal Barriers Resource Act (CBRA) Zone Y \_\_\_\_\_ N \_\_\_\_\_

Date of Construction \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Improvement/Repair to: Existing Building \_\_\_\_\_ New Building \_\_\_\_\_

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

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

Community Name: St. Johns County Community ID Number: 125147 FIRM Panel Number: \_\_\_\_\_

Panel Suffix: \_\_\_\_\_ Flood Zone: \_\_\_\_\_ Date of FIRM Panel: 12/07/18 FIRM Index Date: 12/07/18

### Section 3: Elevation Information

Elevations should be rounded to one tenth of a foot:

1. Elevation of the bottom of the Lowest Horizontal Structural Member	_____ feet
2. Base Flood Elevation (BFE)	_____ feet
3. Elevation of Lowest Adjacent Grade (LAG)	_____ feet
4. Elevation of Highest Adjacent Grade (HAG)	_____ feet
5. Approximate depth of scour / erosion used for foundation design	_____ feet
6. Embedment depth of pilings or foundation below LAG	_____ feet
7. Foundation Type: Piling _____ Column _____	_____ feet
8. Foundation Description: _____	_____ feet
9. Datum used: NGVD 29 _____ NAVD 88 _____ Other _____	_____ feet

### Section 4: V-Zone Certification

**Note: This section must be certified by a registered professional engineer or architect who is 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:

- \* The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is elevated to above the BFE; and
- \* The pile or column foundation and structure attached thereto are anchored to resist flotation, collapse, lateral movement, or 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 for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.

### Section 5: Breakaway Wall Certifying Statement

**Note: This section must be certified by a registered professional engineer or architect who is authorized by law to certify such information. This section must be certified when breakaway walls are designed to have a resistance of more than 20 psf (0.96 kN/m<sup>2</sup>) determined using allowable stress design.**

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 to be used for the breakaway walls are in accordance with accepted standards of practice for meeting the following provisions:

- \* Breakaway walls shall collapse from a water load less than that which would occur during the base flood;
- \* The elevated portion of the building 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 structure components (wind and water loading values to be used are in Section IV).

### Section 6: Certification

Certifying seal, stamp, signature and date:

Check one: Section 4 \_\_\_\_\_ Section 5 \_\_\_\_\_ Section 4 and 5 \_\_\_\_\_

Certifiers Name (Please Print): \_\_\_\_\_

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

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

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

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

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

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