

# CITY OF FOLLY BEACH V-ZONE DESIGN CERTIFICATE

Pre-Construction \_\_\_\_\_ As-Built \_\_\_\_\_

Name \_\_\_\_\_ Policy Number (*Insurance Co. Use*) \_\_\_\_\_

Building Address or Other Description \_\_\_\_\_

TMS/PID No. \_\_\_\_\_ City: Folly Beach State: South Carolina Zip Code: 29439

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

Community No. \_\_\_\_\_ Panel No. \_\_\_\_\_ Suffix \_\_\_\_\_ FIRM Date \_\_\_\_\_ FIRM Zone(s) \_\_\_\_\_

## SECTION II: Elevation Information Used for Design

[NOTE: This section documents elevations used in the design – it does not substitute for an as-built Elevation Certificate.]

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

## SECTION III: V Zone Design Certification Statement

[NOTE: This section must be certified by a South Carolina licensed engineer or architect.]

I certify: (1) that I have developed or reviewed the structural design, plans, and specifications for construction and (2) that the design and methods of construction to be used 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 (with the exception of pilings, pile caps, columns, grade beams and bracing) is elevated to or above the BFE+1 foot in accordance with the requirements of the *SC adopted building codes* and local floodplain management regulations; and
- The pile and column foundation and building or structure to be attached thereto is designed in accordance with the *SC adopted building codes* to be anchored to resist flotation, collapse, and lateral movement due to the effects of the wind and flood loads acting simultaneously on all building components. The potential for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.

## SECTION IV: Breakaway Wall Design Certification Statement

I certify: (1) that I have developed or reviewed the structural design, plans, and specifications for construction and (2) that the design and methods of construction to be used for the breakaway walls are in accordance with the SC adopted building codes.

## SECTION V: Certification and Seal

This certification is to be signed and sealed by a SC licensed professional engineer or architect authorized by law to certify structural designs. *I certify the V Zone Design Certification Statement in Section III and the Breakaway Wall Design Certification Statement in Section IV (if applicable).*

_____		_____	
Certifier's Name		License Number	
_____		_____	
Title	Company Name		
_____		_____	
Address	City	State	ZIP
_____		_____	
Signature	Date	Telephone	

