V ZONE AND COASTAL A ZONE DESIGN CERTIFICATE

Property Owner(s) _____ Policy Number *(Insurance Co. Use)* _____

Street Address _____ Type of Structure _____

Block _____ Lot(s) _____ City Mantoloking Borough State NJ Zip Code 08738

SECTION I: Flood Insurance Rate Map (FIRM) Information

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

Latest Available Preliminary FIRM (If Applicable) _____ PFIRM Date _____ PFIRM Flood Zone(s) _____

Is the subject structure located within the Coastal A Zone (LiMWA Zone): ____ Yes ____ No

SECTION II: Elevation Information Used for Design

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

1. Elevation of the Bottom of Lowest Horizontal Structural Member (Habitable Space)..... _____ feet (NAVD '88)
2. Elevation of the Bottom of Lowest Horizontal Structural Member (Attached Porch and/or Deck)..... _____ feet (NAVD '88)
3. Design Flood Elevation or DFE (Base Flood Elevation Plus One Foot of Freeboard)..... _____ feet (NAVD '88)
4. Elevation of Lowest Adjacent Grade ..... _____ feet (NAVD '88)
5. Approximate Elevation of Depth of Anticipated Scour/Erosion used for Foundation Design..... _____ feet (NAVD '88)
6. Elevation for Embedment Depth of Pilings or Foundation Below Lowest Adjacent Grade..... _____ feet (NAVD '88)

SECTION III: V Zone and Coastal A Zone Design Certification Statement

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

I certify that: (1) 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 (excluding piles and columns) is elevated to or above the DFE including any attached porches and/or decks; and
- 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.

SECTION IV: Breakaway Wall Design Certification Statement

[NOTE. This section must also be certified by a registered engineer or architect.]

I certify that (1) 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 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 as required by the applicable State or local building code; 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 (wind and water loading values to be used are defined in Section III) or as a result of the breakaway wall collapsing.

SECTION V: Certification and Seal

This certification is to be signed and sealed by a registered professional engineer or architect authorized by law to certify structural designs. *I certify the V Zone and Coastal A 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

Place Seal Here

_____
Address City State ZIP

_____
Signature Date Telephone