TOWN OF KIAWAH ISLAND
LIMIT OF MODERATE WAVE ACTION DESIGN CERTIFICATE

Owner Name _____ Policy Number (Insurance Use) _____

Building Address _____ TMS _____

Permit No _____

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 the elevations/depths used or specified in the design – it does not document surveyed elevations and is not equivalent to the as-built elevations required to be submitted during and after construction.

1. FIRM Base Flood Elevation (BFE)…….. _____ feet*
2. Community's Design Flood Elevation (DFE)…….. _____ feet*
3. Elevation of the Bottom of Lowes Horizontal Structural Member…… _____ feet*
4. Elevation of Lowest Adjacent Grade…….. _____ feet*
5. Depth of Anticipated Scour/Erosion used for Foundation Design……. _____ feet*
6. Embedment Depth of Pilings or Foundation Below Lowest Adjacent Grade……. _____ feet*

*Indicate elevation datum used in 1-4: ☐ NAVD88

SECTION III: LiMWA Design Certification Statement

I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction of the above-referenced building and (2) that the design and methods of construction specified to be used are in accordance with accepted engineering 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 BFE to include the Town's current freeboard requirements.
- The pile and column foundation and structure attached thereto are anchored to resist flotation, collapse, and lateral movement because 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 are in accordance with applicable sections of IBC, ASCE 7.
- The potential for scouring and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.

SECTION IV: 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 LiMWA Design Certification Statement has considered all aspects of the existing site conditions, and I have provided a design based on the parameters for properties that are within the limitations of LiMWA design.

Certifier's Name _____ License Number _____

Title _____

Company _____

Address _____

_____

Phone: _____

_____ _____

Signature Date