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PLANNING AND DEVELOPMENT SERVICES BUSINESS CENTER

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Velocity Zone Construction Certificate

This form is required for New Construction and Substantial Improvements in Special Flood Hazard Areas designated as V and VE, and structures seaward of the Coastal Construction Control Line (CCCL)*

Name: HANRAHAN RESIDENCE Permit No: _____

Street Address: 4021 CASEY KEY RD

City: NOKOMIS State FLORIDA Zip Code 34275

SECTION I – Flood Insurance Rate Map (FIRM) Information

Community Number	Panel Number	Suffix	FIRM Index date	Flood Zone/s	Base Flood Elevation	FDEP Elevation ⁺
125144	0236	D	5/1/1984	V16/A12	11.0	19.4 NGVD

SECTION II – Elevation Information

- | | |
|--|---------------------------|
| 1. Bottom of Lowest Horizontal Structural Member | <u>19.5</u> ft. NGVD |
| 2. Elevation Requirement | <u>19.4</u> ft. NGVD |
| 3. Elevation of Highest Adjacent Grade | <u>10.3</u> ft. NGVD |
| 4. Elevation of Lowest Adjacent Grade | <u>8.5</u> ft. NGVD |
| 5. Elevation of Bottom of Pilings or Foundation | <u>-27.0</u> ft. NGVD +/- |
| 6. Elevation of Top of Pile Cap or Grade Beam | <u>5.2</u> ft. NGVD |

SECTION III – Certification Statement

(Registered engineer or architect to sign and seal SECTION V)

I certify that based upon development and/or review of structural design specifications, and plans for construction including consideration of the hydrostatic, hydrodynamic, and impact loading involved, that the designs 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 supporting the Lowest Floor (excluding the pilings or columns) is elevated to or above Base Flood Elevation or FDEP elevation requirement whichever is higher.

* Sarasota County Code Article XVI. Floodprone Areas and Latest Edition of the Florida Building Code

+ For new construction and substantial improvements that extend wholly or partially seaward of CCCL.

The pile or column foundation, pile cap and/or grade beam, and structure attached thereto is anchored to resist flotation, collapse and lateral movement due to the effects of wind and water loads associated with the design flood elevations acting simultaneously on all of the structural components.

In Zones V and VE fill is not being used for structural support, and entire area below the lowest horizontal member is free of obstructions.

SECTION IV – Breakaway Construction Certification Statement
(Registered engineer or architect to sign and seal SECTION V)

I certify that based upon the development and/or review of structural design, specifications and plans for subject construction that the design and methods of construction of 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 area of the Breakaway Wall enclosure below the bottom of the lowest horizontal structural member shall be limited to less than 300 square feet per structure (Zone VE only) and be fully constructed of Flood-Resistant Materials.

Access to such enclosure shall be the minimum necessary to allow for parking of vehicles (garage door) or limited storage of items used in connection with the premises (standard exterior door) or access to the habitable space above (stairway or elevator). The interior portion of such enclosed area shall not be partitioned into separate rooms, or be temperature controlled.

“Breakaway Wall” means a partition independent of supporting structural members that will withstand design wind forces, but will fail under hydrostatic, wave and run-up forces associated with the design storm surge. Under such conditions, the wall will fail in a manner such that it dissolves or breaks up into components that will not act as potentially damaging missiles.

SECTION V- Certification

Certifier's Name: Richard D. Wilson Title: Structural Engineer
License Number: 37784 Company Name: Wilson Structural Consultants, Inc.
Street Address: 6731 Professional Parkway West, Suite 103
City: Sarasota State: FL Zip Code: 34240
Telephone Number: 941 907-4789 Fax: 941 907-0576

Signature: 

Seal:

