Sarasota County

Zone V and Coastal A Zone Design Certification

PLANNING AND DEVELOPMENT SERVICES

1001 Sarasota Center Blvd., Sarasota, FL 34240
4000 S. Tamiami Trail, Venice FL 34293

This form is required for New Construction and Substantial Improvements to structures in FEMA zone VE, Coastal A Zones, and seaward of the FDEP Coastal Construction Control Line (CCCL)

Name: PULVINO RESIDENCE Permit Number: RES-NEW-25-001237

Street Address: 4401 MANGROVE PL Parcel ID#: 0079080003

City: SARASOTA State: FL Zip: 34242

SECTION 1: – FEMA Flood Insurance Rate Map (FIRM) and FDEP 100-yr Storm Elevation Information:

NFIP Community Number	FIRM Panel	Suffix	FIRM Index Date	Flood Zone(s)	Base Flood Elevation	FDEP 100-year Storm Elevation	FDEP Design Grade
125144	0141	F	03/27/2024	AE-8	8.00'		

Coastal A Zone (CAZ)? X Yes ____ No

SECTION 2- Elevation Information Used for Design

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

a) Bottom of Lowest Horizontal Structural Member 9.17 ft. NAVD 1988

b) Top of Foundation Wall (CAZ only) 4.0 ft. NAVD 1988

c) Elevation of Lowest Adjacent Grade (Natural) 3.4 ft. NAVD 1988

d) Approximate Depth of Anticipated Scour/Erosion used for Foundation Design 3 ft. NAVD 1988

e) Embedment Depth of Pilings or Foundation Below the Lowest Adjacent Grade (Natural) -26.6 ft. NAVD 1988

f) Elevation of Top of Pile Cap or Grade Beam 4.0 ft. NAVD 1988

SECTION 3 – Design Certification Statement

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

☒ I certify: (1) I have developed or reviewed the structural design, plans, and specifications for construction and (2) 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 mat or raft foundations, piling, pile caps, columns, grade beams and bracing) is elevated to or above the BFE in accordance with the requirements of the Florida Building Code or local floodplain management regulations, Sarasota County Code 54-513(b)(25).

The pile or column foundation and building or structure attached thereto is designed in accordance with the Florida Building Code to be anchored to resist floatation, collapse, and lateral movement due to the effects of the wind and flood loads acting simultaneously on all building components, and other load requirements of the Florida Building Code. The potential for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.

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SECTION 4 – Breakaway Wall Design Certification Statement

[NOTE: This section must also be certified by a Florida licensed engineer or architect when breakaway walls exceed a design safe loading resistance of 20 pounds per square foot. This requirement does not apply to open wood/plastic latticed/slats/louvers or insect screening.]

☐ I certify: (1) I have developed or reviewed the structural design, plans, and specifications for construction and (2) the design and methods of construction to be used for the breakaway walls are in accordance with the Florida Building Code, Building (ASCE 24) or Florida Building Code, Residential, as applicable, and accepted standards of practice.

SECTION 5- Certification and Seal

[This certification is to be signed and sealed by a Florida licensed professional engineer or architect authorized by law to certify structural designs.]

By my signature and seal, I certify that the Zone V or Coastal A Zone, as applicable, Design Certification Statement in Section 3 and/or the Breakaway Wall Design Certification Statement in Section 4 (indicated by checkbox) are true and accurate.

Certifier's Name: Mark C Zahn Title: Director of Structural Engineering

License Number: 94961 Company Name: MHK Architecture

Street Address: 300 S Orange Avenue

City: Sarasota State: FL Zip Code: 34243

Telephone Number: 239-451-0606 Email: Mzahn@mhkarchitecture.com

Signature: Mark C Zahn Digitally signed by Mark C Zahn DN: CN=Mark C Zahn, OU=Qualifier=A01410D000001952F152E24000A8F02, O=Unaffiliated, C=US Date: 2025.09.08 09:57:29-04'00'

Seal: