

JOB SITE PLANS

This set of plans must be kept on the job site of work at all times per Sarasota County Ordinance
Sarasota County Planning & Development Services



1921

PLANNING AND DEVELOPMENT SERVICES BUSINESS CENTER

1001 Sarasota Center Blvd., Sarasota, FL 34240
4000 S. Tamiami Trail, Room 122, Venice, FL 34293
Sarasota (941) 861-6678 Venice (941) 861-3029

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: 641 BEACH ROAD, LLC Permit No: 15 127707 00 B1
Street Address: 641 BEACH ROAD
City: SARASOTA State FL Zip Code 34242

SECTION I - Flood Insurance Rate Map (FIRM) Information

Community Number	Panel Number	Suffix	FIRM Index date	Flood Zone/s	Base Flood Elevation AE EL 12 & VE EL 13	FDEP Elevation*
125144	0143	E	09/3/1002	AE/VE		19.4'

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>5.5'</u> ft. | NGVD |
| 4. | Elevation of Lowest Adjacent Grade | <u>4.5'</u> ft. | NGVD |
| 5. | Elevation of Bottom of Pilings or Foundation | <u>-10.0' & -15.0'</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 2010 Florida Building Code

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

The pile or column foundation and structure attached thereto is anchored to resist flotation, collapse and lateral movement due to the effects of wind and water loads 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: STEPHEN COLLINS Title: STRUCTURAL ENGINEER
License Number: 57132 Company Name: COLLINS STRUCTURAL ENGINEERING LLC
Street Address: 149 GRAND OAK CIRCLE
City: VENICE State: FL Zip Code: 34292
Telephone Number: 941 223-1589 Fax: 941 451-8553

Signature: Stephen K Collins Seal:



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