

December 7, 2017

L16049.K07

Sarasota, Florida, 34231 George Merlin Associates, Inc. Mr. George Merlin 7729 Holiday Drive

GARRO RESIDENCE - Sarasota County Building Permit # 2017 150193 00B1

response is in the order of items on such memo: The following is in response to plans review memo by D. Greenough of Sarasota County, dated 10/31/2017, and our

- signed and sealed truss manufacturer's engineering for confirmation of location and magnitude of all wood truss bearing framing plans on Sheets S103 and S104, with further note that the Contractor shall provide EOR and Building dept. final points and loads and obtain EOR's approval of such and post such at jobsite for government building inspector's review prior to pouring any concrete. Net pre-engineered wood roof truss uplift reactions in excess of 1000 pounds has been indicated on the roof
- waters within the scour zone. These elements do not rely on any soil for support as they are deep pile supported and transitional pile supported concrete element/footing (SWF per S101) with top located at 8'-5" NAVD and bottom above design grade has been reviewed and the entire structure has been designed to resist the increased associated will remain in place without any displacement or movement due to storm surge waters. The setting of this element walls would also need to be extended down creating a larger obstruction to the flow of storm induced surge and flood possible to reduce the obstruction of flood waters due to the shear walls. If these elements were lowered the shear located at 6'-5" NAVD. The intent of this wall transition element is to locate pile supports for shear walls as high as loads from storm surge. There are no pile caps on this project. Below the DEP allowed shear walls at the elevator/stairs there is a
- Refer to Sections on S105 thru S109 for details of column and wall connection to the concrete slab.
- specialty engineering and be submitted to EOR along with all other trusses for review and approval by EOR. and roof system above that level. Only the webbing layout of this girder truss need be detailed by truss manufacturer's Refer to Detail 1 and Section W on S107 for pre-engineered wood girder truss supporting upper floor and wall
- reinforcement to trim openings, support cantilevers or any other conditions has been indicated on the plans, with drawings and obtain approval of such and post such on jobsite for government building inspector's review prior to further note that the Contractor shall provide EOR and Building dept. actual slab reinforcement placement shop The slab reinforcement has been indicated on plan. Additional reinforcement beyond the required specified
- The pool has been detailed as structurally independent from the main concrete slab for the residence and
- structure only top, and bottom. The break-away walls are not physically connected to any portions of the pile support system for the permanent structure. Refer to Sheet S105 for break- away wall detail. There is to be no connection of the wall at the ends to the
- The secon $m{\mathsf{M}}$ set of stairs outside Garage 31 has been clarified to be indicated as break-away. Refer to Sheet S101

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wallis

Digitally signed by peter wallis DN: c=US, o=idenTrust ACES Unaffiliated individual, cn=peter walls, 0.9.2342.19200300.100.1.1=A0 1098000000015E5D424ADA000

Date: 2017.12.07 18:35:10 -05'00' PDS

Development Services

on the job site at all times per Sarasota County Ordinance Sarasota County Planning &

This set of plans must be kept

JOB SITE

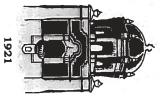
PLANS

peter.wallis.eng@gmail.com tel. 941-907-9192

JAN 02 2018

■ 8470 ent lakewood

Permitting/Inspections



PLANNING AND DEVELOPMENT SERVICES BUSINESS CENTER

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

Coastal Construction Control Line (CCCL) Certificate

This form is required for New Construction and Substantial Improvements to structures seaward of the Coastal Construction Control Line (CCCL).

L Zin Code 34229	EY State FL	City: OSPREY
	Street Address: 13 N. CASEY KEY RD	Street Addr
Permit No:	Name: GARRO RESIDENCE - NEW	Name: GAI

SECTION I - Flood Insurance Rate Map (FIRM) Information

Ð	10' NAVI	AE-10	NOV 04,2016	ודי	0236	125144
tion	Elevation		date		Number	Number
lood	Base Flor	Flood Zone/s	FIRM Index	Suffix	Panel	Community

SECTION II - Proposed Elevation Information

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Elevation of Top of Pile Cap or Grade Beam	Elevation of Bottom of Pilings or Foundation	Elevation of Lowest Adjacent Grade	Elevation of Highest Adjacent Grade	Elevation Requirement	Bottom of Lowest Horizontal Structural Member
N/A	-25.0' NAVD	8.5' NAVD	10.0' NAVD ft.	18.3' NAVD OR 19.4' NGVD	18.3' NAVD OR 19.4' NGVD
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(Registered engineer or architect to sign and seal SECTION V) SECTION III - Certification Statement

involved, that the designs and methods of construction are in accordance with accepted standards I certify that based upon development and/or review of structural design specifications, and plans of practice for meeting the following provisions: for construction including consideration of the hydrostatic, hydrodynamic, and impact loading

elevation requireme (excluding the pilings) The bottom of the JETHOZI JOH JYSOM of columns tructural member supporting the Lowest Floor to or above Base Flood Elevation or FDEP

GEORGE MERLIN

^{*} Sarasota County Code Article XVI

* For new construction and substant natest Edition of the Florida Building Code

^{*} For new construction and s ments th a attend wholly or partially seaward of CCCL.

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 The pile or column foundation, pile cap and/or grade beam, and structure attached thereto is

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

are in accordance with accepted standards of practice for meeting the following provisions: 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

during the Base Flood; and Breakaway Wall collapse shall result from a water load less than that which would occur

exterior door) or access to the habitable space above (stairway or elevator). (garage door) or limited storage of items used in connection with the premises (standard Access to such enclosure shall be the minimum necessary to allow for parking of vehicles

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

SECTION V- Certification

265000000000000000000000000000000000000	Signature: GEORGE MERLIN Seal:	Telephone Number: 941 923 8868 Fax: 94	City: SARASOTA State: FLORIDA Zi	Street Address: 7729 HOLIDAY DRIVE	License Number: AR0010623 Company Name: GEORGE MERLIN ASSOCIATES, INC	Certifier's Name: GEORGE MERLIN Title: ARC	
		8868	State: FLO	AY DRIVE	0	ERLIN	
	Seal:	Fax:			ompany Name:	Title:	
ARO 406		941 9239148	Zip Code: 34231		GEORGE MERLIN AS	Title: ARCHITECT	
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