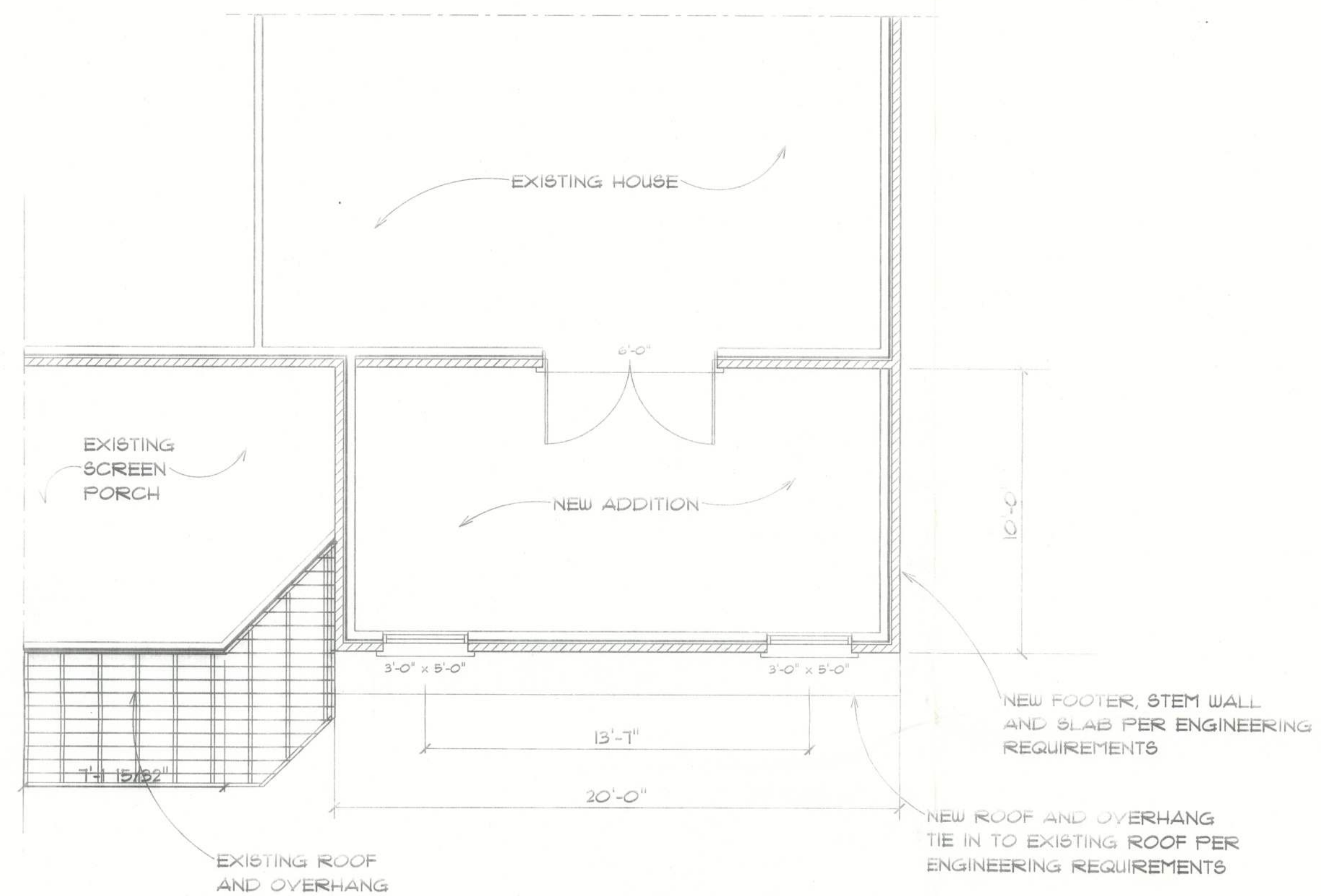


EXISTING LAYOUT



PROPOSED LAYOUT



BOWDOIN ADDITION
LAKE CITY, FLORIDA

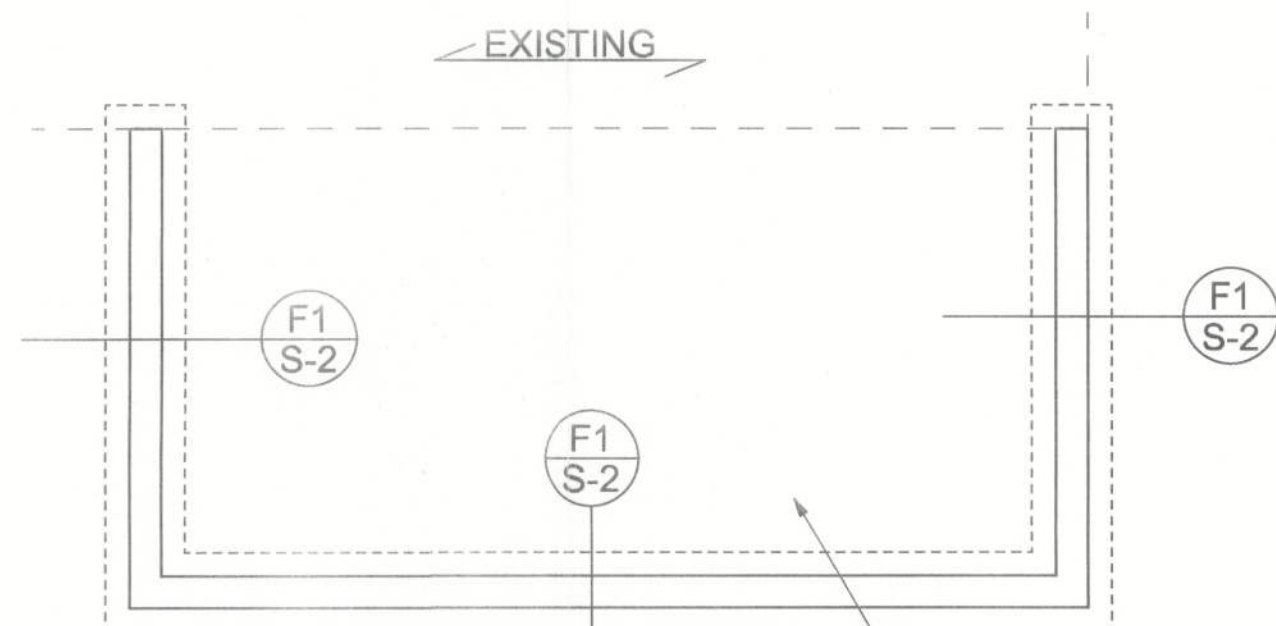
DATE
02/20/2013
DESIGNED BY
R.W.
DRAWN BY
R.W.
CHECKED BY
R.W.
DWG. NO.

A-1
SCALE:
1/4" = 1'-0"

APPROVAL
CUSTOMER APPROVAL

NO.	DATE	REVISION
A	02-20-13	INITIAL RELEASE

Whiddon
Construction
Company
FLORIDA STATE LICENSE NO.
CRC558025

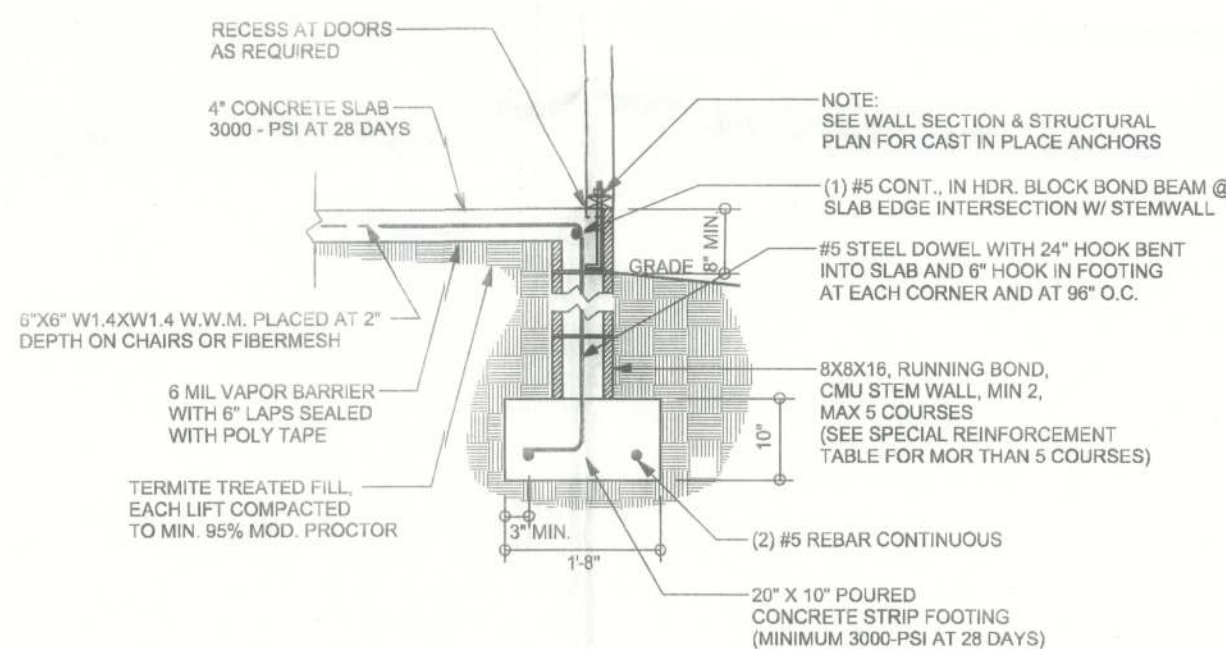


FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

4" CONCRETE FLOOR SLAB REINFORCED WITH 6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS AT 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER WITH 6" LAPS SEALED WITH POLY TAPE OVER TERMITE-TREATED AND COMPACTED FILL.



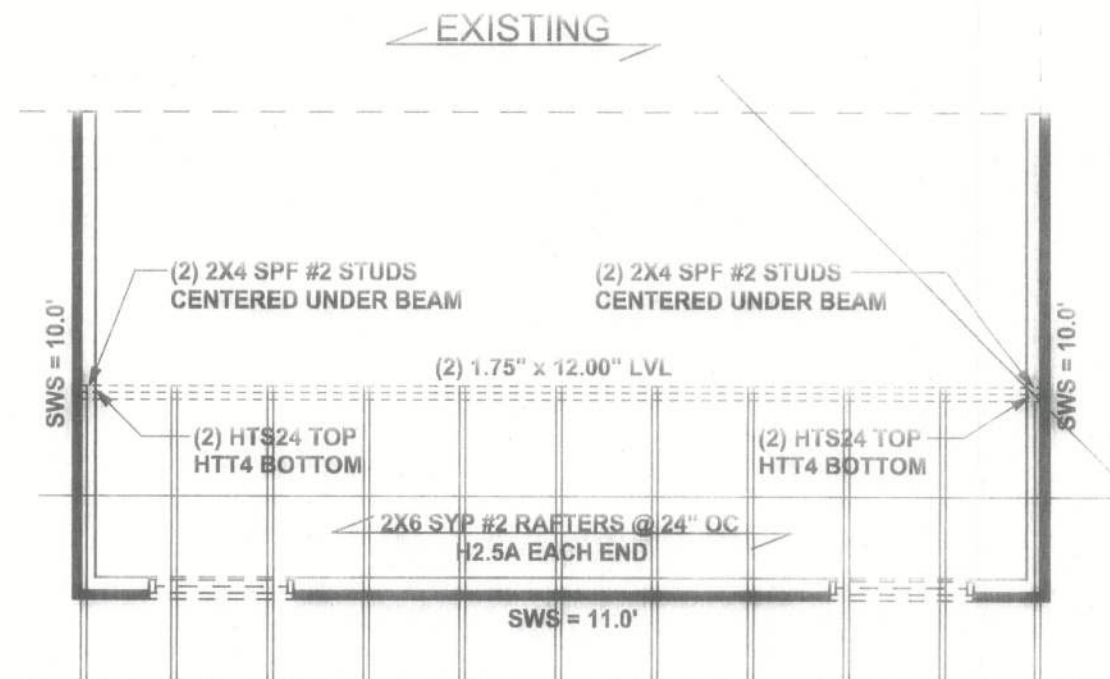
STEM WALL FOOTING

SCALE: 1/2" = 1'-0"

TALL STEM WALL TABLE

The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 14S continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48



STRUCTURAL PLAN

SCALE: 1/4" = 1'-0"

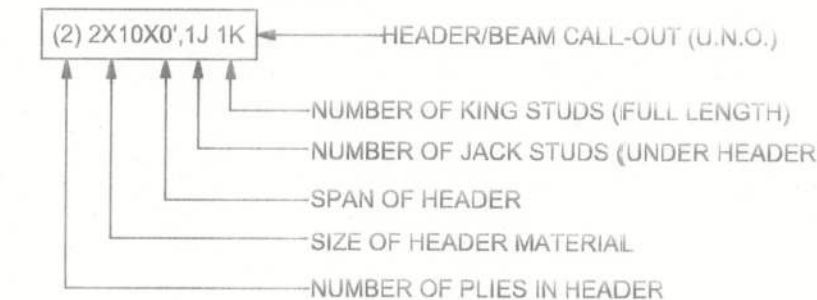
STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 SYP #2 U.N.O.
- SN-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)
- SN-3 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

WALL LEGEND

	EXTERIOR WALL
	INTERIOR NON-LOAD BEARING WALL
	INTERIOR LOAD BEARING WALL w/ NO UPLIFT
	INTERIOR LOAD BEARING WALL w/ UPLIFT

HEADER LEGEND



TOTAL SHEAR WALL SEGMENTS

INDICATES SHEAR WALL SEGMENTS		
	REQUIRED	ACTUAL
TRANSVERSE	10.0'	20.0'
LONGITUDINAL	8.0'	11.0'

CEILING JOISTS SPANS FOR SOUTHERN PINE #2 UNINHABITABLE ATTICS (L240)									
CEILING JOIST SPACING	WITHOUT STORAGE LIVE LOAD = 10 psf DEAD LOAD = 5 psf				WITH LIMITED STORAGE LIVE LOAD = 20 psf DEAD LOAD = 10 psf				MAXIMUM RAFTER SPANS (HORIZONTAL PROJECTION)
	2x4	2x6	2x8	2x10	2x4	2x6	2x8	2x10	
12" OC	12'-0"	19'-0"	25'-0"	26'-0"	9'-10"	15'-6"	20'-1"	26'-0"	
16" OC	11'-3"	17'-8"	23'-4"	26'-0"	8'-11"	13'-6"	17'-5"	20'-9"	
19.2" OC	10'-7"	16'-8"	21'-11"	26'-0"	8'-5"	12'-3"	15'-10"	18'-11"	
24" OC	9'-10"	15'-0"	20'-1"	23'-11"	7'-8"	11'-0"	14'-2"	16'-11"	

R06 CEILING JOIST SPAN TABLE (SYP#2) BASED ON IRC TABLE R802.4(1-2)

WINDLOAD ENGINEER: Mark Disoway, P.E. No 53915, POB 868, Lake City, FL 32056, 386-754-5419

DIMENSIONS: Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without clarification.

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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section R301.2.1, 2010 Florida Building Code Residential.

LIMITATION: This design is valid for one building, at specified location.



Whiddon Construction Company, Inc.

Bowdoin Addition

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Phone: (386) 754 - 5419
Fax: (386) 269 - 4871

PRINTED DATE:
February 19, 2013

DRAWN BY: STRUCTURAL BY:
FINALS DATE:
19Feb12

JOB NUMBER:
1302041
DRAWING NUMBER

S-2

OF 2 SHEETS