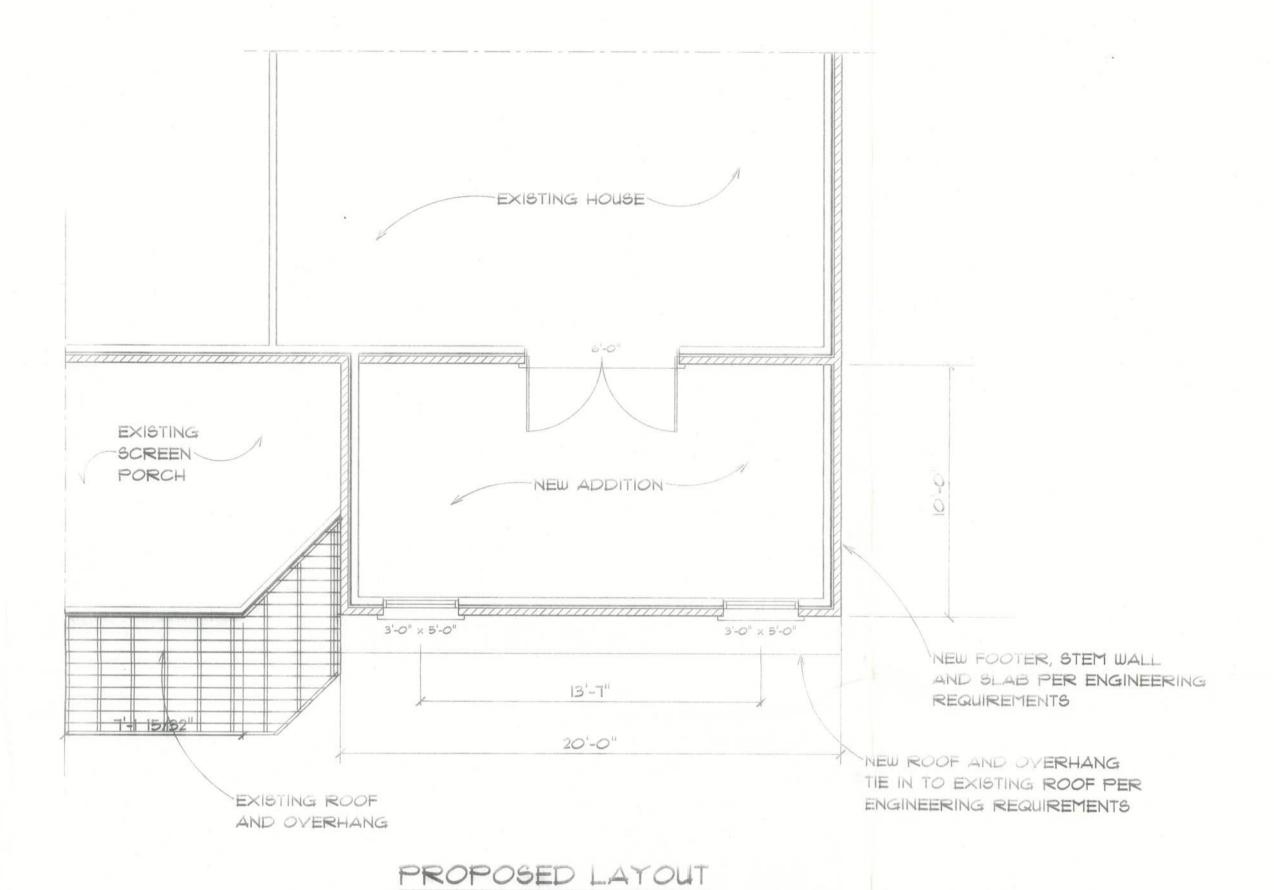
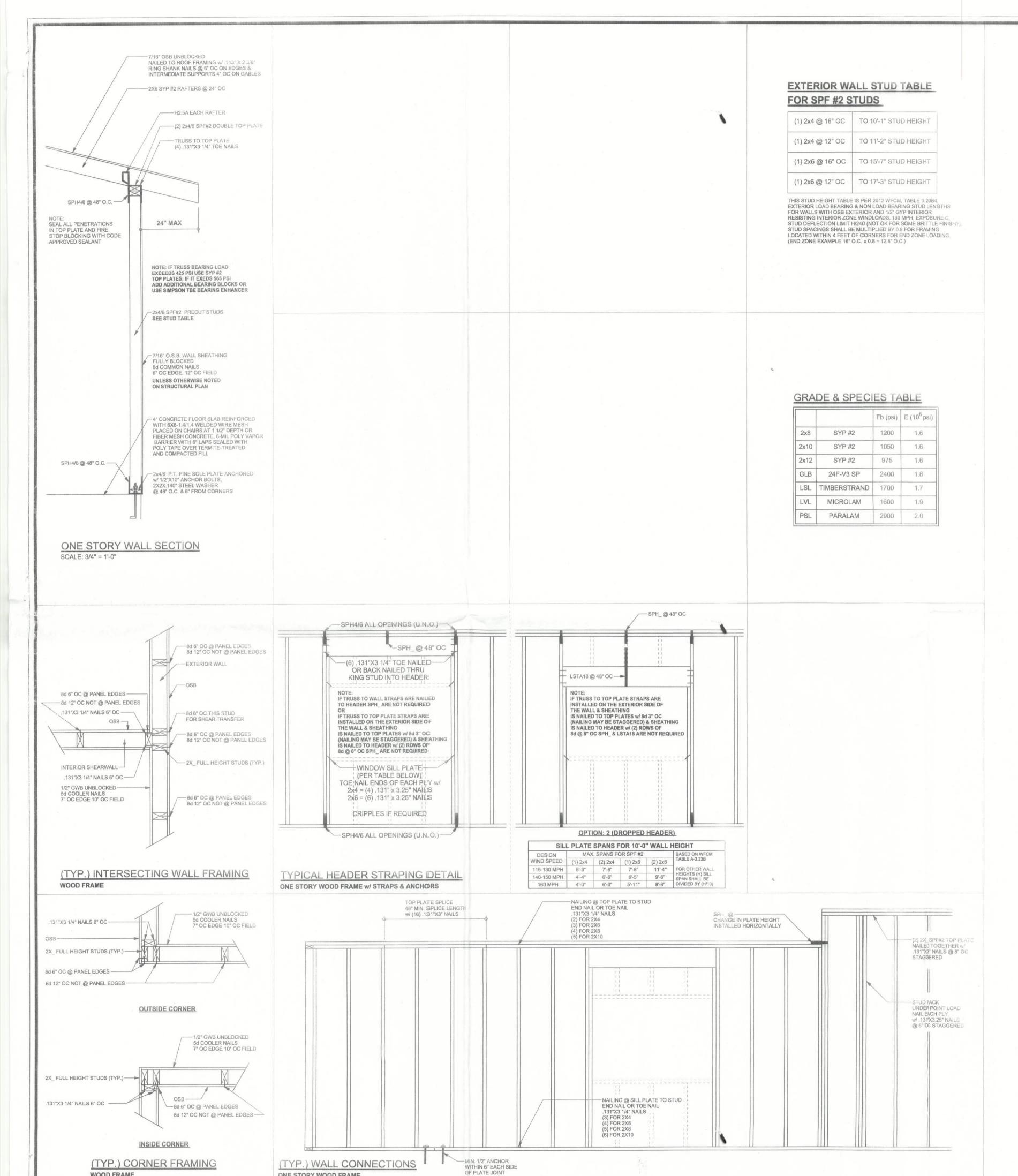


EXISTING LAYOUT





DATE 02/20/2013 DESIGNED BY R.W DRAWN BY R.W CHECKED BY DWG. NO. SCALE: 1/4" = 1'-0"



WOOD FRAME

ONE STORY WOOD FRAME

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE 2010 FBCR. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY VERIFY THE TRUSS DESIGNER FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER IS TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSS REACTIONS ON THE BUILDING STRUCTURE. STRAP 2X6 RAFTERS WITH MIN UPLIFT CONNECTION 415LB EACH END; 2X8 RAFTERS 700 LB EACH END.

SITE PREPARATION: SITE ANALYSIS AND PREPARATION IS NOT PART OF THIS PLAN FOUNDATION: CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS (ASSUME 1000 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVES OTHERWISE

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS, Fig = 3000 PSI.

WELDED WIRE REINFORCED SLAB: 6" × 6" × 1.4 × W1.4 FB = 85KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185; LOCATED IN MIDDLE OF THE SLAB; SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 3'.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTH 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C 1116. SUPPLIER TO PROVIDE ASTM C 1116 CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY BUILDING OFFICIAL

CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT, THE LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT WWM OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

REBAR: ASTM A 615, GRADE 60, DEFORMED BARS, FY = 60 KSI. ALL LAP SPLICES 40 * DB (25* FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-96, U.N.O.

GLULAM BEAM, GLB, 24F-V3SP, Fb = 2.4ksi, E = 1800ksi; UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALCS. ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS; 7/16* OSB SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED, FASTENED WITH 8d COMMON NAILS (.131), 6"OC PANEL EDGES, 12"OC INTERMEDIATE MEMBERS, GABLE ENDS AND DIAPHRAGM BOUNDARY; 4"OC, UNO.

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, AND REINFORCEMENT ARE LISTED FOR EXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN THE EXAMPLE TABLES AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE FOLLOWED TO ACHIEVE RATED LOADS.

ANCHOR BOLTS: A-307 ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BUT NO LESS THAN 7" IN CONCRETE OR REINFORCED BOND BEAM OR 15" IN GROUTED CMU.

WASHERS: WASHERS USED WITH 1/2" BOLTS TO BE 2" x 2" x 9/64"; WITH 5/8" BOLTS TO BE 3" x 3" x 9/64"; WITH 3/4" BOLTS TO BE 3" x 3" x 9/64"; WITH 7/8" BOLTS TO BE 3" x 3" x 5/16"; UNO. NAILS: ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY FBC TEST REPORTS AS HAVING EQUAL STRUCTURAL VALUES.

BUILDER'S RESPONSIBILITY

THE BUILDER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARE SPECIFICALLY NOT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK. CONFIRM SITE CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND BACKFILL HEIGHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE. PROVIDE MATERIALS AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH 2010 FBCR REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES. PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION. IF YOU BELIEVE THE PLAN OMITS A CONTINUOUS LOAD PATH CONNECTION, CALL THE WIND LOAD ENGINEER IMMEDIATELY.

ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

TO STUDS	TO RAFTER/TRUSS	TO PLATES	TRUSS CONNECTOR*	UPLIFT LBS. SPF	UPLIFT LBS. SYP
	3-8d	3-8d	H5A	< 245	< 420
	4-8d	4-8d	H5	< 265	< 455
	4-8d	4-8d	H4	< 235	< 360
	4-8d	4-8d	H3	< 320	< 455
	5-8d	5-8d	H2.5	< 365	< 415
	5-8d	5-8d	H2.5A	< 535	< 600
	8-8d	8-8d	H6	< 820	< 950
	5-10d, 1 1/2"	5-10d, 1 1/2"	H8	< 565	< 745
	12-8d, 1 1/2"	13-8d	H14-1	< 1050	< 1465
	12-8d, 1 1/2"	15-8d	H14-2	< 1050	< 1465
	8-8d, 1 1/2"	8-8d, 1 1/2"	H10-1	< 850	< 990
	6-10d	6-10d	H10-2	< 655	< 760
	2-10d, 1 1/2"	10-10d, 1 1/2"	H16-1	< 1265	< 1470
	2-10d, 1 1/2"	10-10d, 1 1/2"	H16-2	< 1265	< 1470
	7-10d 1 1/2"	7-10d 1 1/2"	MTS24C	< 860	< 1000
	12-10d 1 1/2"	12-10d 1 1/2"	HTS24	< 1245	< 1450
			2 - HTS24	< 2490	< 2900
	14 -16d	14 -16d	LGT2	< 1785	< 2050
TO FOUNDATION			HEAVY GIRDER TIEDOWNS*		
1-5/8" THREADED ROD 12" EMBEDMENT	22 -10d		MGT	< 3330	< 3965
2-5/8" THREADED ROD 12" EMBEDMENT	16 -10d		HGT-2	< 5485	< 10980
2-5/8" THREADED ROD 12" EMBEDMENT	16 -10d		HGT-3	< 9035	= 10530
2-5/8" THREADED ROD 12" EMBEDMENT	16 -10d		HGT-4	< 9250	< 9250
TO STUDS			STUD STRAP CONNECTOR*		
4 -10d		3-10d	SSP DOUBLE TOP PLATE	< 435	< 435
4 -10d		1 -10d	SSP SINGLE SILL PLATE	< 420	< 455
8 -10d		6-10d	DSP DOUBLE TOP PLATE	< 825	< 825
8 -10d		2 -10d	DSP SINGLE SILL PLATE	< 600	< 825
6-10d, 1 1/2"			SP4	< 760	< 885
10-10d, 1 1/2"			SPH4	< 1065	< 1240
6-10d, 1 1/2"			SP6	- 760	< 885
10-10d, 1 1/2"			SPH6	< 1065	< 1240
		14-10d	LSTA18	< 1165	< 1235
		16-10d	LSTA21	< 1235	< 1235
		18-8d	CS20	< 1030	< 1030
		28-8d	CS16	< 1705	< 1705
TO FOUNDATION		TO STUDS	STUD ANCHORS*		
1/2" AB		8-16d	LTT19	< 1305	< 1350
1/2" AB		18-10d, 1 1/2"	LTTI31	< 2310	< 2310
5/8" AB		2-5/8" BOLTS	HD2A	< 2570	< 2775
5/8" AB		18 - 16d	HTT16	< 3695	< 4175
		16-16d	PAHD42	< 1400	< 1400
		16-16d	HPAHD22	< 3335	< 3335
1/2" AB		12-16d	ABU44	< 2200	< 2200
1/2" AB		12-16d	ABU66	< 2300	< 2300
		18 - 16d	ABU88	< 2320	< 2320

DESIGN DATA

	OADS PER 2010 FLOR						
(ENGLO	OSED SIMPLE DIAPHE ROOF HEIGHT	RAGM BUILDING:	S WITH FLA	T, HIP	PED, O	R GABI	LE ROOFS
BUILDI	NG IS NOT IN THE HIG	SH VELOCITY HL	JRRICANE 2	ONE			
BUILDI	NG IS NOT IN THE WI	ND-BORNE DEBI	RIS REGION	1			
1.) BA	SIG WIND SPEED = 1	30 MPH, (3 SEC	GUST, 33 F	T, EXF	P. C)		
2.) WI	ND EXPOSURE = C, E	BUILDER MUST F	IELD VERIF	Y			
3.) TO	POGRAPHIC FACTOR	R = 1.0, BUILDER	MUST FIEL	D VEF	RIFY		
4.) RIS	SK CATEGORY = II, (A	MRI = 700 YR)					
5.) RC	OF ANGLE = 7-45 DE	GREES					
6.) ME	AN ROOF HEIGHT =	<30 FT					
7.) IN	TERNAL PRESSURE O	COEFFICIENT = I	VA (ENCLO	SED B	UILDING	3)	
8.) CC	MPONENTS AND CL	ADDING DESIGN	WIND PRES	SSURE	S (TAB	LE R30	01.2(2))
	1						
7			Zone	Effe	rtive W	ind A	ea (ft2)
	22		2.0116	-	10	T	ou (res)
R			1	39	-43		
15	2 22	>77	2	39	-68		
3	1 1 1	3 5					
	19	- '/	3	39	-100	-	
-2"	555		4	43	-46	-	-
	A		5	43	-57	-	+
4	3			1		-	
18				ge Do			-
5	2	13	Table			-	-
	4	7	8x7 Gar	age D	oor	37	-42
	TY.	4	16x7 Ga			36	-40
	333	×					
DESIGN	LOADS						
FLOOR	40 PSF (ALL OTHER	R DWELLING RO	OMS)				
	30 PSF (SLEEPING	ROOMS)					
	30 PSF (ATTICS WI						
	10 PSF (ATTICS WI		E, <3:12)				
ROOF							
	16 PSF (4:12 TO <1	2:12)					
	12 PSF (12:12 AND	GREATER)					
		FAMILY DWELLI	NGS)				
STAIRS	40 PSF (ONE & TWO						
	ARING CAPACITY 15	00 PSF					

REVISIONS

NDLOAD ENGINEER: Mark Disosway, E No.53915, POB 868, Lake City, FL 32056, 386-754-5419

mensions. Refer all questions to

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CERTIFICATION: I hereby certify that I have

amined this plan, and that the applicable

portions of the plan, relating to wind engineer comply with section R301.2.1, 2010 Fiorida Building Code Residential to the best of my knowledge.

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

MARK DISOSWAY No 53915 STATE OF

Whiddon Construction Company, Inc.

Bowdoin Addition

ADDRESS:

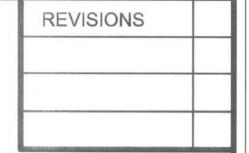
Columbia County, Florida Mark Disosway P.E. P.O. Box 868 Lake City, Florida 32056 Phone: (386) 754 - 5419

Fax: (386) 269 - 4871

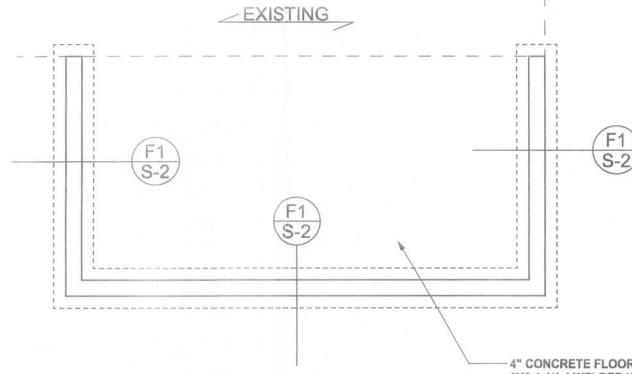
PRINTED DATE: February 19, 2013 STRUCTURAL BY DRAWN BY: FINALS DATE: 19Feb12

> JOB NUMBER: 1302041 DRAWING NUMBER

> > OF 2 SHEETS



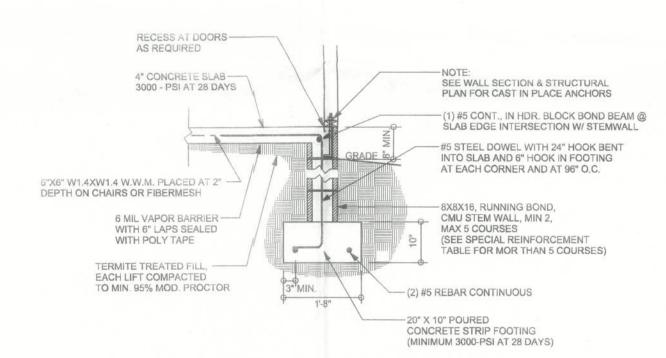
SOFTPIXA

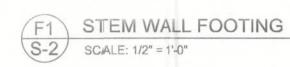


FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

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

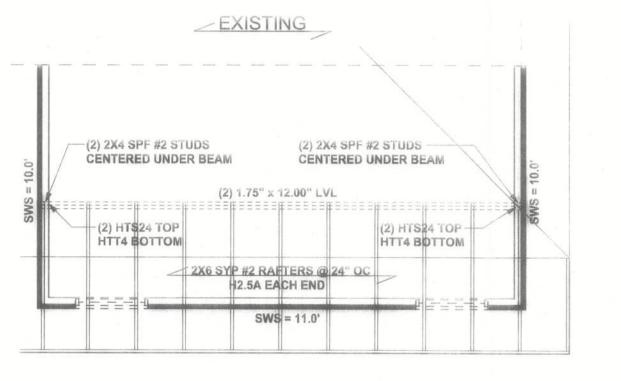




TALL STEM WALL TABLE

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 Durowalll ladder reinforcement at 16"OC vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

HEIGHT B	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8"CMU STEMWALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (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.

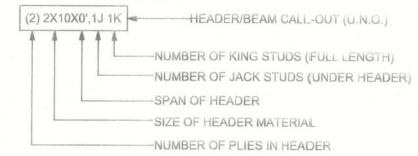
SN-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)

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

	REQUIRED	ACTUA
TRANSVERSE	10.0'	20.0
LONGITUDINAL	8.0'	11.0'

CEILI	NG JOI UN		PANS ITABLE				INE #2	
CEILING JOIST SPACING	LI	VE LOA	STORAGE WITH LIMITED LIVE LOAD DEAD LOAD DEA) = 20 psf	
	2x4	2x6	2x8	2x10	2x4	2x6	2x8	2x10
	MAXIMUM RAFTER SPANS (HORIZONTAL PROJECTION)							
12" OC	12'-5"	19'-6"	25'-8"	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'-6"	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 Disosway, PE No.53915, POB 868, Lake City, FL 32056, 386-754-5419

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

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permission and consent of Mark Disosway.

CERTIFICATION: I hereby certify that I have
examined this plan, and that the applicable

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 to the best of my knowledge.

LIMITATION: This design is valid for one

building, at specified location.

MARK DISOSWAY
P.E. 53915
No 58915

Whiddon Construction
Company, Inc.

Bowdoin Addition

ADDRESS: Columbia County, Florida

Mark Disosway P.E.
P.O. Box 868
Lake City, Florida 32056
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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