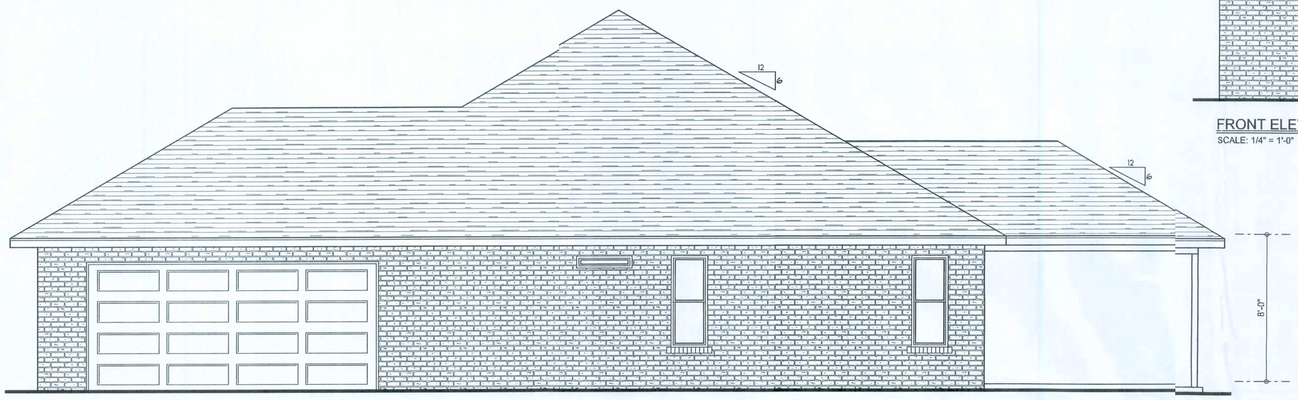
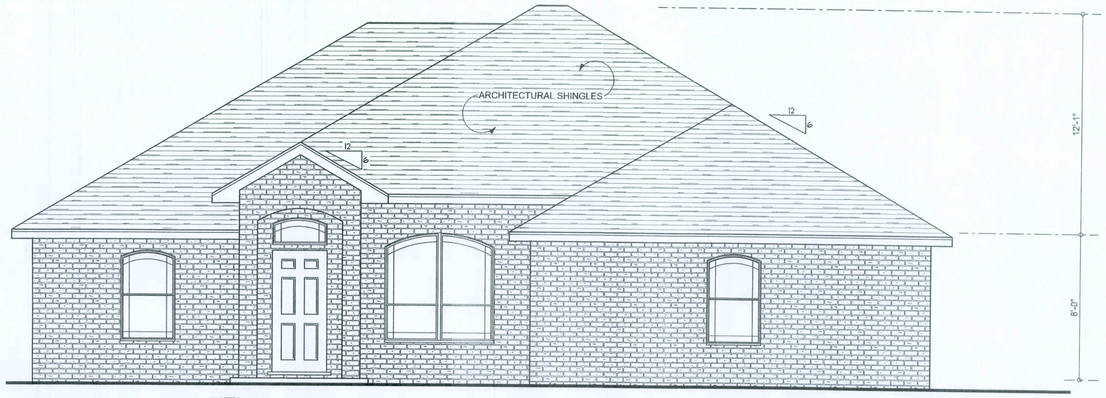


RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



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

NOTES:
1. ALL WINDOWS HAVE PRAIRE STYLE GRILLS
2. BUILDER IS TO VERIFY WINDOW ELEVATION OFF FINISHED FLOOR

REQUIRED ROOF VENTILATION:

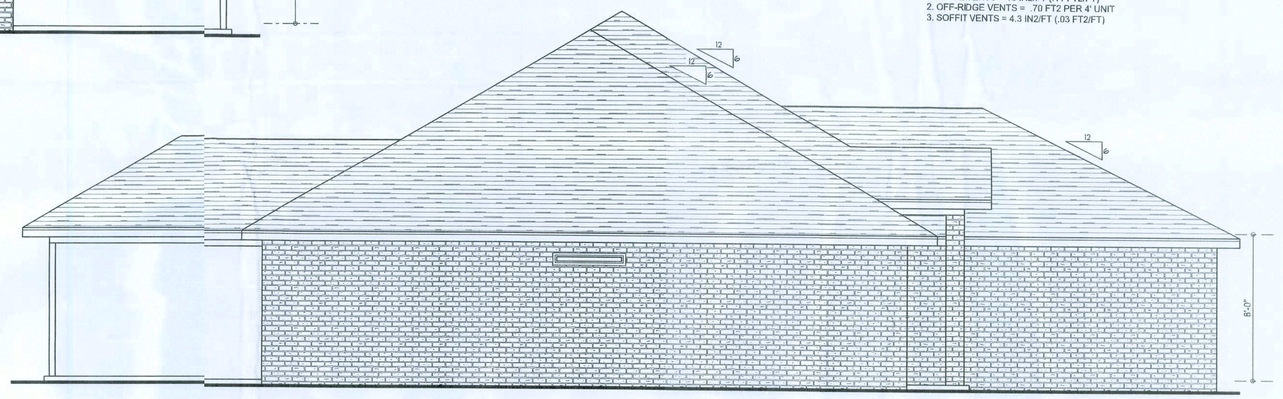
AS PER FLORIDA BUILDING CODE 2309.7

RIDGE VENT
MIN. 50% TOTAL VENT AREA
LOCATED IN THE UPPER PORTION OF ATTIC (MIN. 3' ABOVE EAVE)
2356 S.F. / 300 x 50% = 3.9 S.F. RIDGE VENT AREA REQUIRED
35 FEET OF RIDGE VENT REQUIRED

SOFFIT VENT
2356 S.F. / 300 x 50% = 3.9 S.F. SOFFIT VENT AREA REQUIRED
130 FEET OF SOFFIT VENT REQUIRED

BUILDER MUST VERIFY THE FOLLOWING MINIMUM NET FREE VENT AREAS:

1. RIDGE VENTS = 16 IN2/FT (.11 FT2/FT)
2. OFF-RIDGE VENTS = .70 FT2 PER 4' UNIT
3. SOFFIT VENTS = 4.3 IN2/FT (.03 FT2/FT)



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

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

REVISIONS	

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

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

DIMENSIONS:
Stated dimensions supercedescaled dimensions. Refer all questios to Mark Disosway, P.E. for resolition. Do not proceed without clarifiation.

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to the best of my knowledge.

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

MARK DISOSWAY
P.E.,53915

24Nov08

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DESIGNED BY:
Matthew Erkinger

FINALES DATE:
23Nov08

JOB NUMBER:
811113

DRAWING NUMBER
A1

OF 6 SHEETS

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

COLUMBIA COUNTY BUILDING DEPARTMENT
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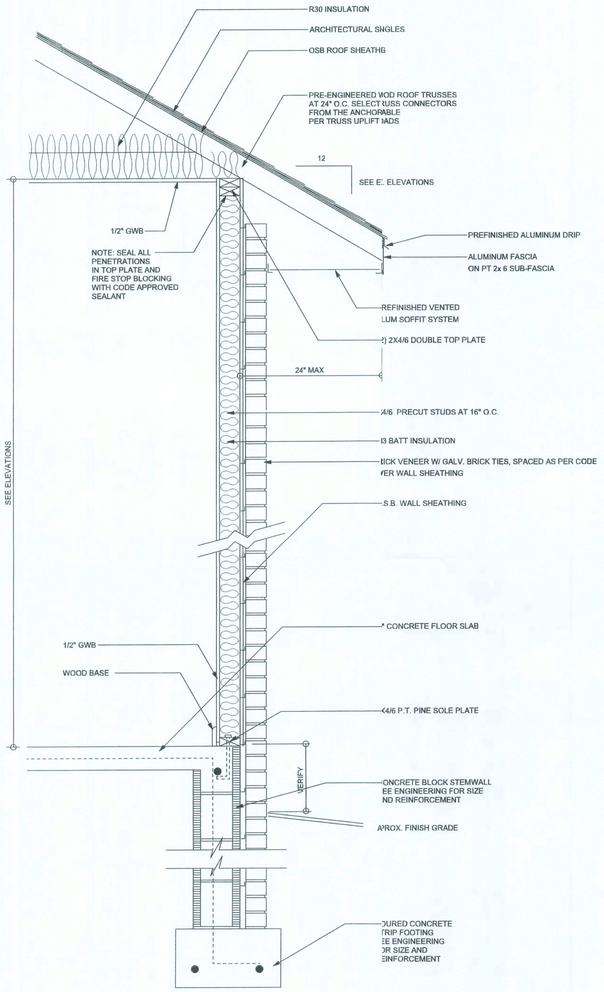
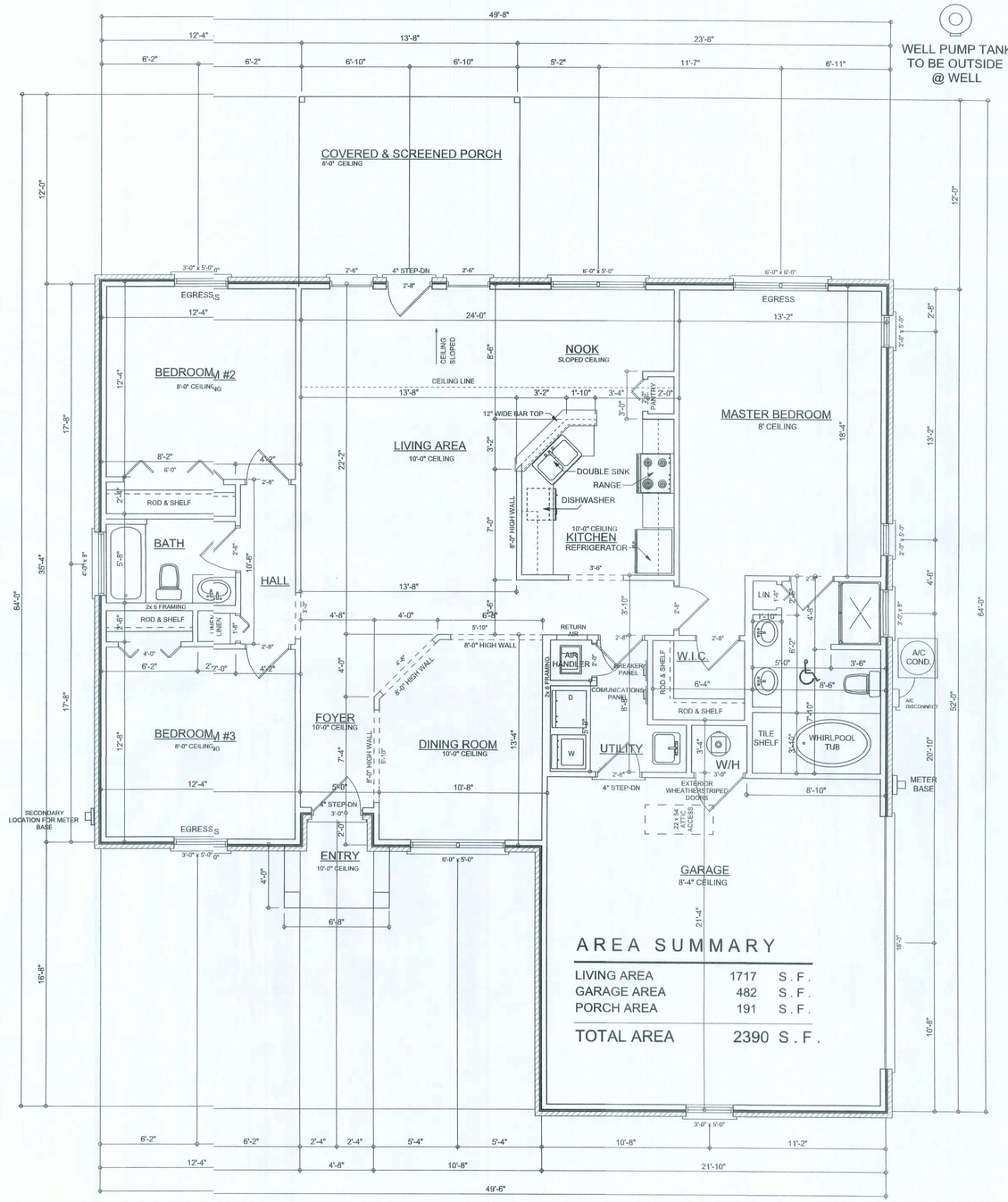
PLANS EXAMINER



TYPICAL DESIGN WALL SECTION
NON - STRUCTURAL DATA
SCALE: 1" = 1'- 0"



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

AREA SUMMARY

LIVING AREA	1717	S.F.
GARAGE AREA	482	S.F.
PORCH AREA	191	S.F.
TOTAL AREA	2390	S.F.

REVISIONS

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

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DESIGNED BY:
Matthew Erkinger

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JOB NUMEER:
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DRAWING NUMIER
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OF 6 SHEETS

	ELECTRICAL LEGEND
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	2X4 FLUORESCENT LIGHT FIXTURE
	RECESSED CAN LIGHT
	BATH EXAUST FAN WITH LIGHT
	BATH EXAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
GFI	GFI DUPLEX OUTLET
	SMOKE DETECTOR
$	WALL SWITCH
$3	3 WAY WALL SWITCH
$4	4 WAY WALL SWITCH
WP(GFI)	WATER PROOF GFI OUTLET
	PHONE JACK
TV	TELEVISION JACK
GD	GARAGE DOOR OPENER
CM	CARBON MONOXIDE ALARM

ELECTRICAL PLAN NOTES

E -1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER BUIPMENT PER MANUF. SPECIFICATIONS.

E -2 CONSULT THE OWNER FOR THE NUMBER OF SEPRATE TELEPHONE LINES TO BE INSTALLED.

E -3 ALL INSTALLATIONS SHALL BE PER NAT'L. ELECTR CODE.

E -4 ALL SMOKE DETECTORS SHALL BE 120V W/ BATTEY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHA. BE INTERLOCKED TOGETHER. INSTALL INSIDE AN NEAR ALL BEDROOMS.

E -5 TELEPHONE, TELEVISION AND OTHER LOW VOLTAE DEVICES OR OUTLETS SHALL BE AS PER THE OWER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

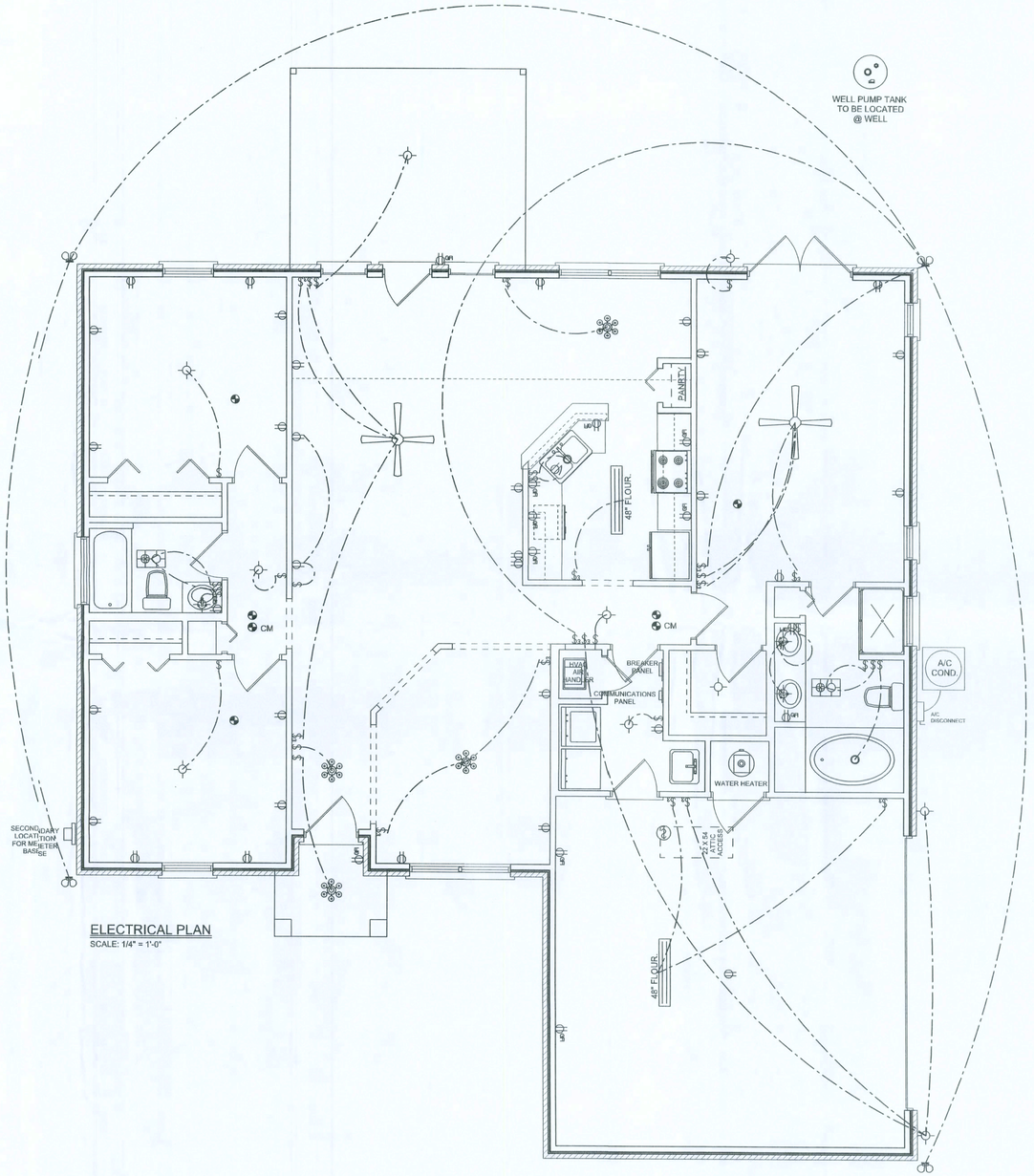
E -6 ELECTRICAL CONT'R SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CICUITS.

E -7 ENTRY OF SERVICE (UNDERGROUND OR OVERHED) TO BE DETERMINED BY POWER COMPANY.

E -8 ALL BEDROOM RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT)

E -9 ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION

E -10 CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 10' OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, FIREPLACE, OR ATTACHED GARAGE.



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

REVISIONS

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

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No.53915, POB 868, Lake Cy, FL 32056.
386-754-5419

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DESIGNED BY:
Matthew Erkinger

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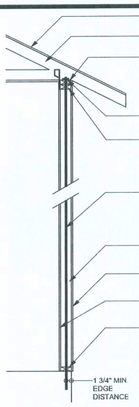
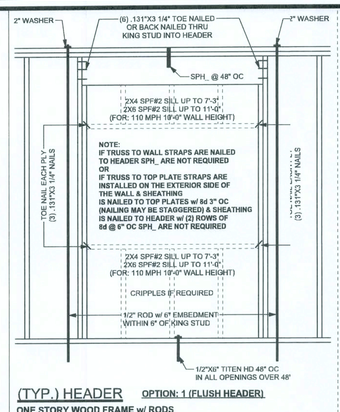
OF 6 SHEETS



(TYP.) EXTERIOR WALL

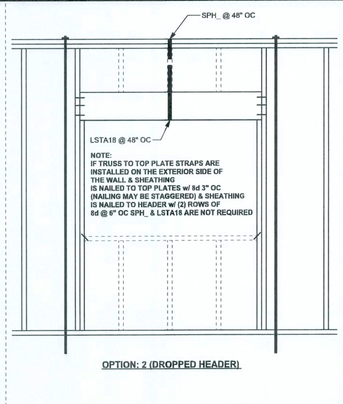
ONE STORY WOOD FRAME w/ RODS



(TYP.) HEADER

OPTION: 1 (FLUSH HEADER)

ONE STORY WOOD FRAME w/ RODS



OPTION: 2 (DROPPED HEADER)

ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

TRUSS CONNECTOR	UPLIFT SYP	UPLIFT SPF	F1 SYP
H5	455	265	115
H3	415	290	125
H2.5	415	365	150
H2.5A	480	480	110
H6	950	820	
H8	745	565	
H14-1	1465	1050	515
H14-2	1465	1050	515
H10	990	850	585
H10-2	760	655	455
H16	1470	1265	
H16-2	1470	1265	
LTS12 - LTS20	1000	620	
MTS12 - MTS30	1000	860	
HTS16 - HTS30	1450	1245	
HEAVY GIRDER TIEDOWNS			
LGT2	2050	1785	700
LGT3-SDS2.5	3685	2655	795
LGT4-SDS3	4060	3860	2000
MGT	3965	3330	
HGT-2	10380	6485	
HGT-3	10530	9035	
HGT-4	9250	9250	
STUD STRAP CONNECTOR			
SSP DOUBLE TOP PLATE	435	435	
SSP SINGLE SILL PLATE	455	420	
DSP DOUBLE TOP PLATE	825	825	
DSP SINGLE SILL PLATE	825	600	
SP1	585	535	
SP2	1065	605	
SP4	885	760	
SPH4	1240	1065	
SP6	885	760	
SPH6	1240	1065	
LSTA18	1235	1110	
LSTA21	1235	1235	
CS20	1030	1030	
CS16	1705	1705	
STUD ANCHORS			
LTT19	1350	1305	
LTTI31	2310	2310	
HDZA	2775	2570	
HTT16	4175	3695	
HTT22	5260	5250	
ABU44	2200	2200	
ABU66	2300	2300	
ABU88	2320	2320	

F2 SYP	F1 SYP	F2 SPF	TO RAFTER/TRUSS	TO PLATES	
200	100	170	4-8d x 1 1/2"	4-8d x 1 1/2"	
160	105	140	4-8d x 1 1/2"	4-8d x 1 1/2"	
150	130	130	5-8d x 1 1/2"	5-8d x 1 1/2"	
110	110	110	5-8d x 1 1/2"	5-8d x 1 1/2"	
			8-8d	8-8d	
			5-10d x 1 1/2"	5-10d x 1 1/2"	
265	480	245	12-8d x 1 1/2"	13-8d	
265	480	245	12-8d x 1 1/2"	15-8d	
525	505	450	8-8d x 1 1/2"	8-8d x 1 1/2"	
395	390	340	6-10d	6-10d	
			2-10d x 1 1/2"	10-10d x 1 1/2"	
			2-10d x 1 1/2"	10-10d x 1 1/2"	
			6-10d x 1 1/2"	6-10d x 1 1/2"	
			7-10d x 1 1/2"	7-10d x 1 1/2"	
			12-10d x 1 1/2"	12-10d x 1 1/2"	
					TO FOUNDATION
170	700	170	14-16d	14-16d	
410	795	410	12-SDS 1/4" x 2 1/2"	26-16dS	
675	2000	675	12-SDS 1/4" x 3"	36-16dS	
			22 -10d		5/8" ANCHOR
			16 -10d		2-5/8" ANCHOR
			16 -10d		2-5/8" ANCHOR
			16 -10d		2-5/8" ANCHOR
					TO STUDS
				3-10d	4 -10d
				1-10d	4 -10d
				6 -10d	8 -10d
				2 -10d	8 -10d
				4 -10d	6 -10d
				6 -10d	6 -10d
					6-10d x 1 1/2"
					10-10d x 1 1/2"
					6-10d x 1 1/2"
					10-10d x 1 1/2"
					14-10d
					16-10d
					14-10d
					22-10d
			TO STUDS		TO FOUNDATION
			8-16d		1/2" ANCHOR
			18-10d x 1 1/2"		5/8" ANCHOR
			2-5/8" BOLTS		5/8" ANCHOR
			18-16d		5/8" ANCHOR
			32-16d		5/8" ANCHOR
			12-16d		5/8" ANCHOR
			12-16d		5/8" ANCHOR
			18-16d		2-5/8" ANCHOR

(1) w/ INSTALLATION OF 4-16dS OPTIONAL NAIL HOLES
(2) FOR SYP GIRDER & SPF STUDS

EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

(1) 2x4 @ 16" OC	TO 11'-9" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 13'-0" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 18'-10" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 20.0' STUD HEIGHT

THIS STUD HEIGHT TABLE IS PER WFCM 2001, TABLE 3.20B. EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS RESISTING INTERIOR ZONE WINDLOADS 110 MPH EXPOSURE B STUD SPACINGS SHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. EXAMPLE 16" O.C. x 0.85 = 13.6" O.C.

GRADE & SPECIES TABLE

		Fb (psi)	E (10^6 psi)
2x8	SYP #2	1200	1.6
2x10	SYP #2	1050	1.6
2x12	SYP #2	975	1.6
GLB	24F-V3 SP	2400	1.8
LSL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	2900	2.0
PSL	PARALAM	2900	2.0

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR 2004. 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 TO 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, F'c = 3000 PSI.

WELDED WIRE REINFORCED SLAB: 6" x 6" W1.4 x 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 BEAMS: 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 F&C TEST REPORTS AS HAVING EQUAL STRUCTURAL VALUES

BUILDER'S RESPONSIBILITY

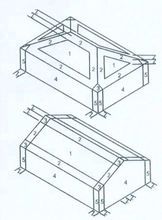
THE BUILDER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARE SPECIFICALLY NOT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK.
CONFIRM SITE CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND BACKFILL HEIGHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE
PROVIDE MATERIALS AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH FBCR 2004 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
VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

ROOF SYSTEM DESIGN

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION R301.2.1.15 BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBCR 2004 REQUIRED LOADS AND ANY SPECIAL LOADS. THE BUILDER IS RESPONSIBLE TO REVIEW EACH INDIVIDUAL TRUSS MEMBER AND THE TRUSS ROOF SYSTEM AS A WHOLE AND TO PROVIDE RESTRAINT FOR ANY LATERAL BRACING. THE BUILDER SHOULD USE CARE CHECKING THE ROOF DESIGN BECAUSE THE WIND LOAD ENGINEER IS SPECIFICALLY NOT RESPONSIBLE FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE TRUSS MANUFACTURER AND THE TRUSS DESIGNER ALSO DENIES RESPONSIBILITY FOR THE LAYOUT PER NOTES ON THEIR SEALED TRUSS SHEETS.

DESIGN DATA

WIND LOADS PER FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTION R301.2.1
(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS; MEAN ROOF HEIGHT NOT EXCEEDING LEAST HORIZONTAL DIMENSION OR 60 FT; NOT ON UPPER HALF OF HILL OR ESCARPMENT 60FT IN EXP. B, 30FT IN EXP. C AND >10% SLOPE AND UNOBSTRUCTED UPWIND FOR 50x HEIGHT OR 1 MILE WHICHEVER IS LESS.)
BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE
BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION
1.) BASIC WIND SPEED = 110 MPH
2.) WIND EXPOSURE = B
3.) WIND IMPORTANCE FACTOR = 1.0
4.) BUILDING CATEGORY = II
5.) ROOF ANGLE = 10-45 DEGREES
6.) MEAN ROOF HEIGHT = <30 FT
7.) INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)
8.) COMPONENTS AND CLADDING DESIGN WIND PRESSURES (TABLE R301.2(2))



Zone	Effective Wind Area (ft2)	
	10	100
1	19.9 -21.8	18.1 -18.1
2	19.9 -25.5	18.1 -21.8
2 Othg	-40.6	-40.6
3	19.9 -25.5	18.1 -21.8
3 Othg	-68.3	-42.4
4	21.8 -23.6	18.5 -20.4
5	21.8 -29.1	18.5 -22.6
Doors & Windows Worst Case (Zone 5, 10 ft2)	21.8	-29.1
8x7 Garage Door	19.5	-22.9
16x7 Garage Door	18.5	-21.0

DESIGN LOADS	
FLOOR	40 PSF (ALL OTHER DWELLING ROOMS)
	30 PSF (SLEEPING ROOMS)
	30 PSF (ATTICS WITH STORAGE)
	10 PSF (ATTICS WITHOUT STORAGE, <3:12)
ROOF	20 PSF (FLAT OR <4:12)
	16 PSF (4:12 TO <12:12)
	12 PSF (12:12 AND GREATER)
STAIRS 40 PSF (ONE & TWO FAMILY DWELLINGS)	
SOIL BEARING CAPACITY 1000PSF	
NOT IN FLOOD ZONE (BUILDER TO VERIFY)	

REVISIONS	

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER:
Mark Disosway, PE
No.53915, POB 868, Lake Cty, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supercedescaled dimensions. Refer all questios to Mark Disosway, P.E. for resolution. Do not proceed without clarifiation.

CERTIFICATION: I hereby ertify that I have examined this plan, and that te applicable portions of the plan, relating t wind engineering comply withsection R301.2.1, florida building code residential 2004 to the best of my knowledge.

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

MARK DISOWAY
P.E. 53915

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November 23,2008

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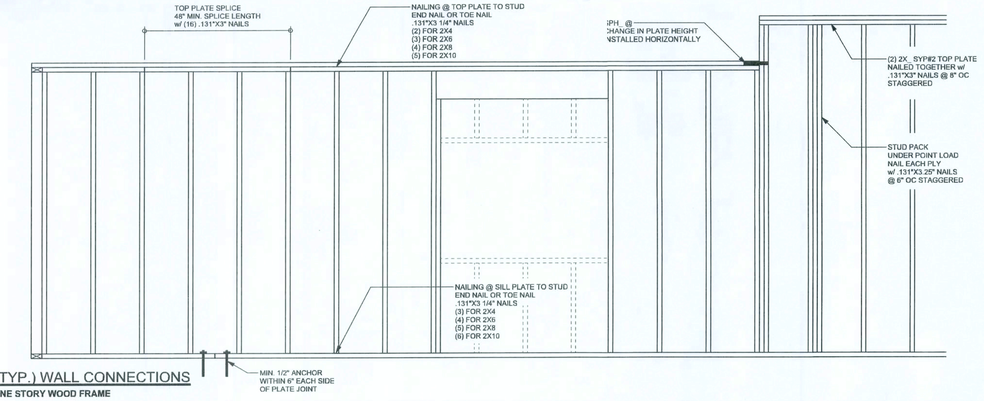
FINALS DATE:
23Nov08

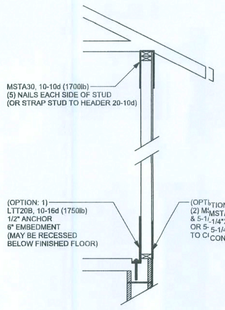
JOB NUMBER:
811113

DRAWING NUMBER
S-1
OF 6 SHEE'S



(TYP.) WALL CONNECTIONS

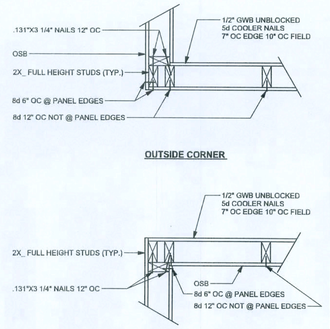
ONE STORY WOOD FRAME



ALTERNATE CONNECTION WHERE ROD CANNOT BE PLACED IN WALL

ONE STORY WOOD FRAME w/ RODS

ALLOWABLE UPLIFT: 1900 LB

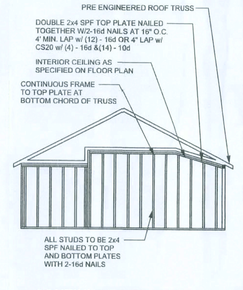


OUTSIDE CORNER

INSIDE CORNER

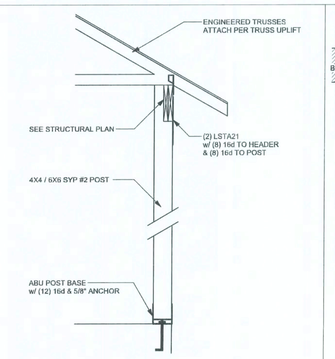
(TYP.) CORNER FRAMING

WOOD FRAME



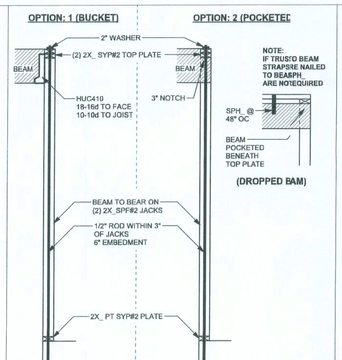
CONTINUOUS FRAME TO CEILING DIAPHRAGM DETAIL

SCALE: N.T.S.



(TYP.) PORCH POST

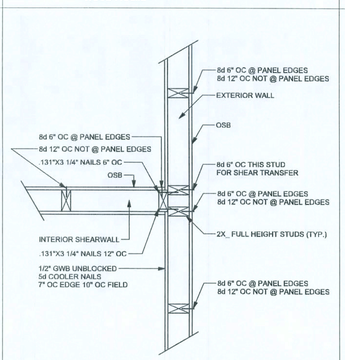
ONE STORY WOOD



(TYP.) BEAM TO WALL

WOOD FRAME w/ RODS

ALLOWILE UPLIFT: 1770 LB



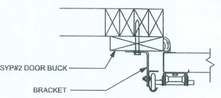
(TYP.) INTERSECTING WALL FRAMING

WOOD FRAME

2X6 SYP#2 GARAGE DOOR BUCK ATTACHMENT

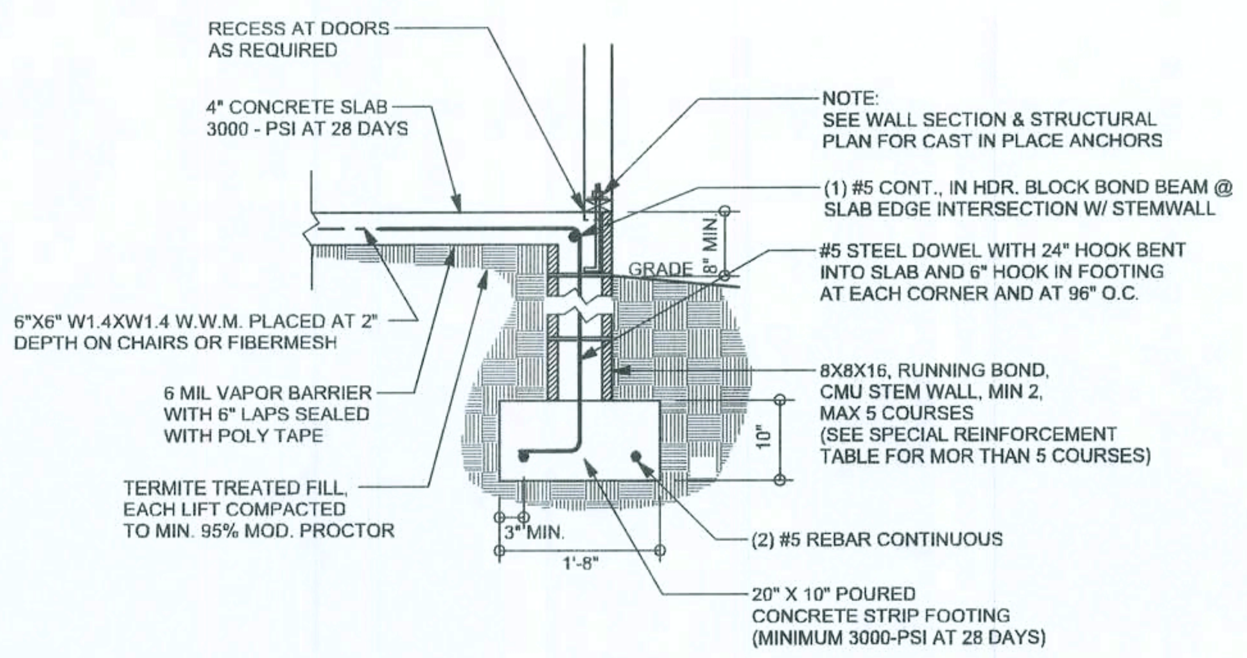
ATTACH GARAGE DOOR BUCK TO STUD PACK AT EACH SIDE OF DOOR OPENING WITH 3/8"X4" LAG SCREWS w/ 1" WASHER LAG SCREWS MAY BE COUNTERSUNK. HORIZONTAL JAMBS DO NOT TRANSFER LOAD. CENTER LAG SCREWS OR STAGGER 16d NAILS OR (2) ROWS OF .131X3 1/4" GN PER TABLE BELOW:

DOOR WIDTH	3/8"X4" LAG	16d STAGGER	(2) ROWS OF .131"X3 1/4" NAILS
8' - 10'	24" OC	5" OC	5" OC
11' - 15'	18" OC	4" OC	4" OC
16' - 18'	16" OC	3" OC	3" OC



(TYP.) GARAGE DOOR BUCK INSTALLATION

WOOD FRAME

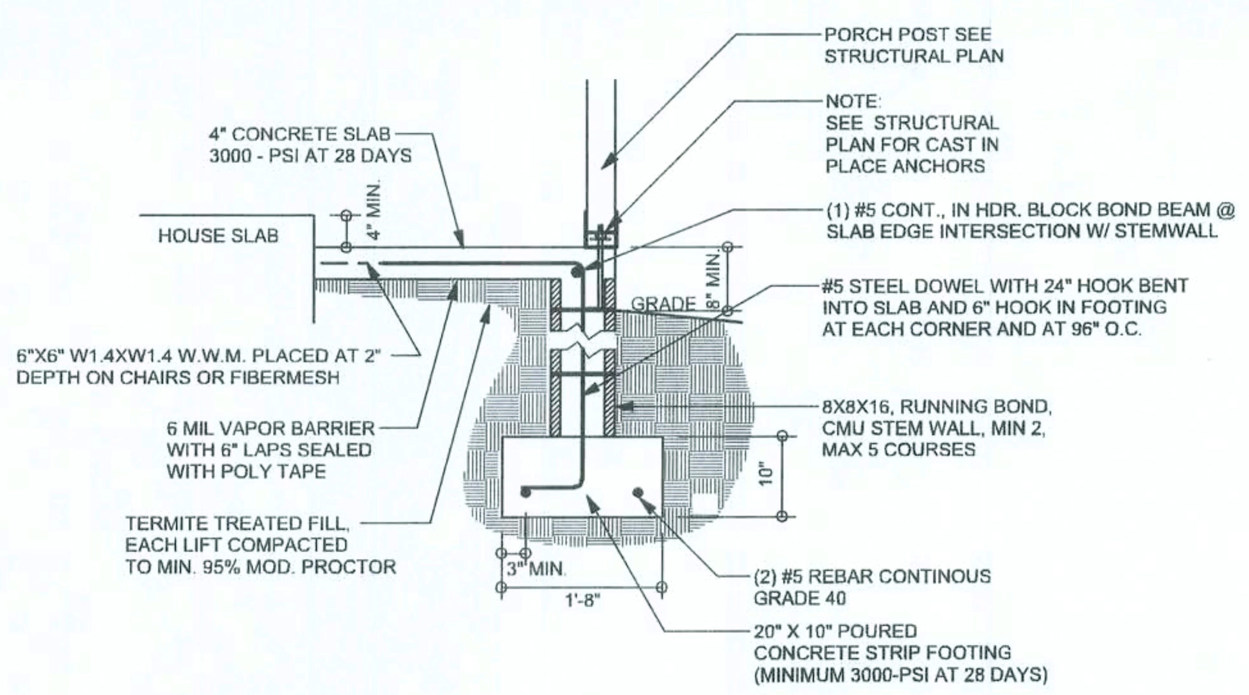


F9 / S-2 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"

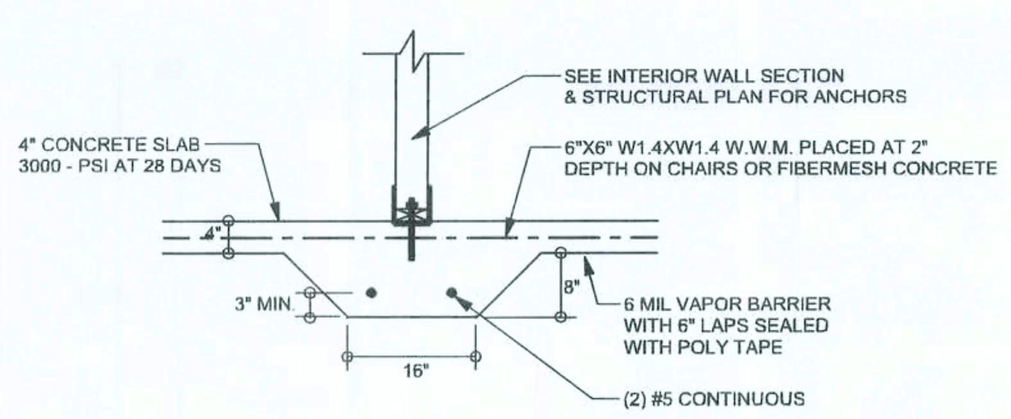
TALL STEM 'ALL TABLE

The table assumes 60 ksi nforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. 'e vertical steel is to be placed toward the tension side of the CMU wall (away from the 'pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowladder reinforcement at 16"OC vertically or a horizontal bond beam with 1#5 continuous mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shovin the table below.

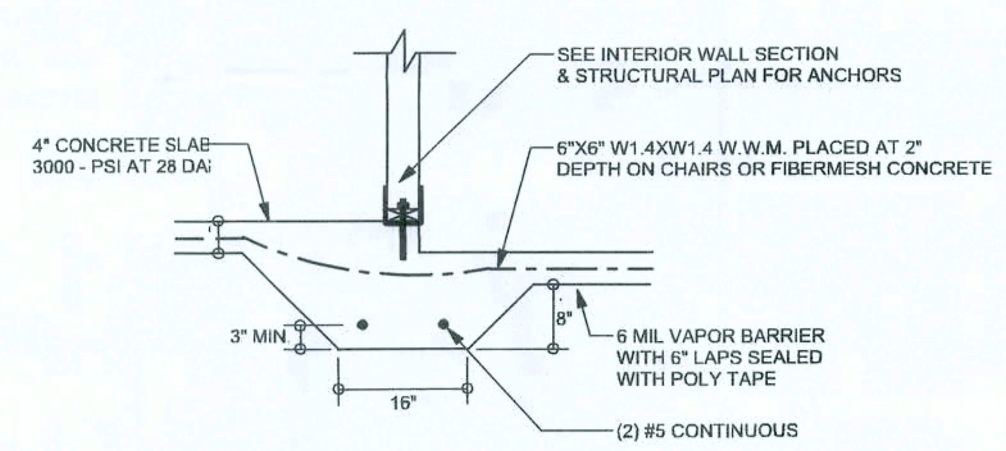
STEMWALL HEIGHT (FEET)	UNBALANC BACKFIL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	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



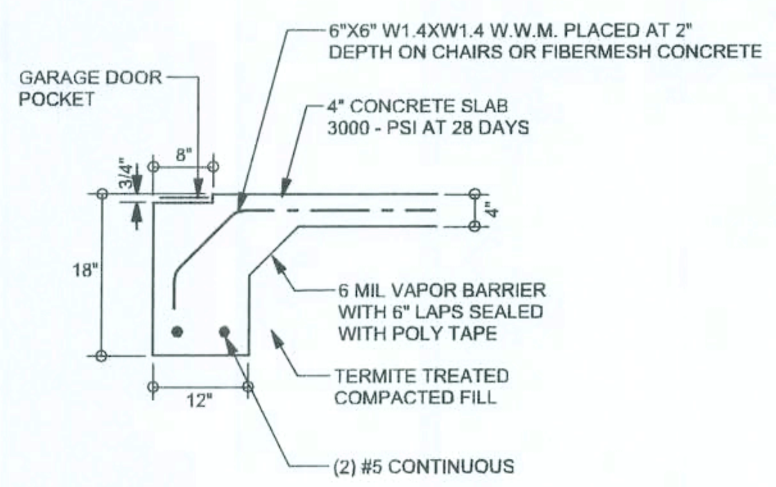
F12 / S-2 ALT. STEM WALL PORCH FOOTING
SCALE: 1/2" = 1'-0"



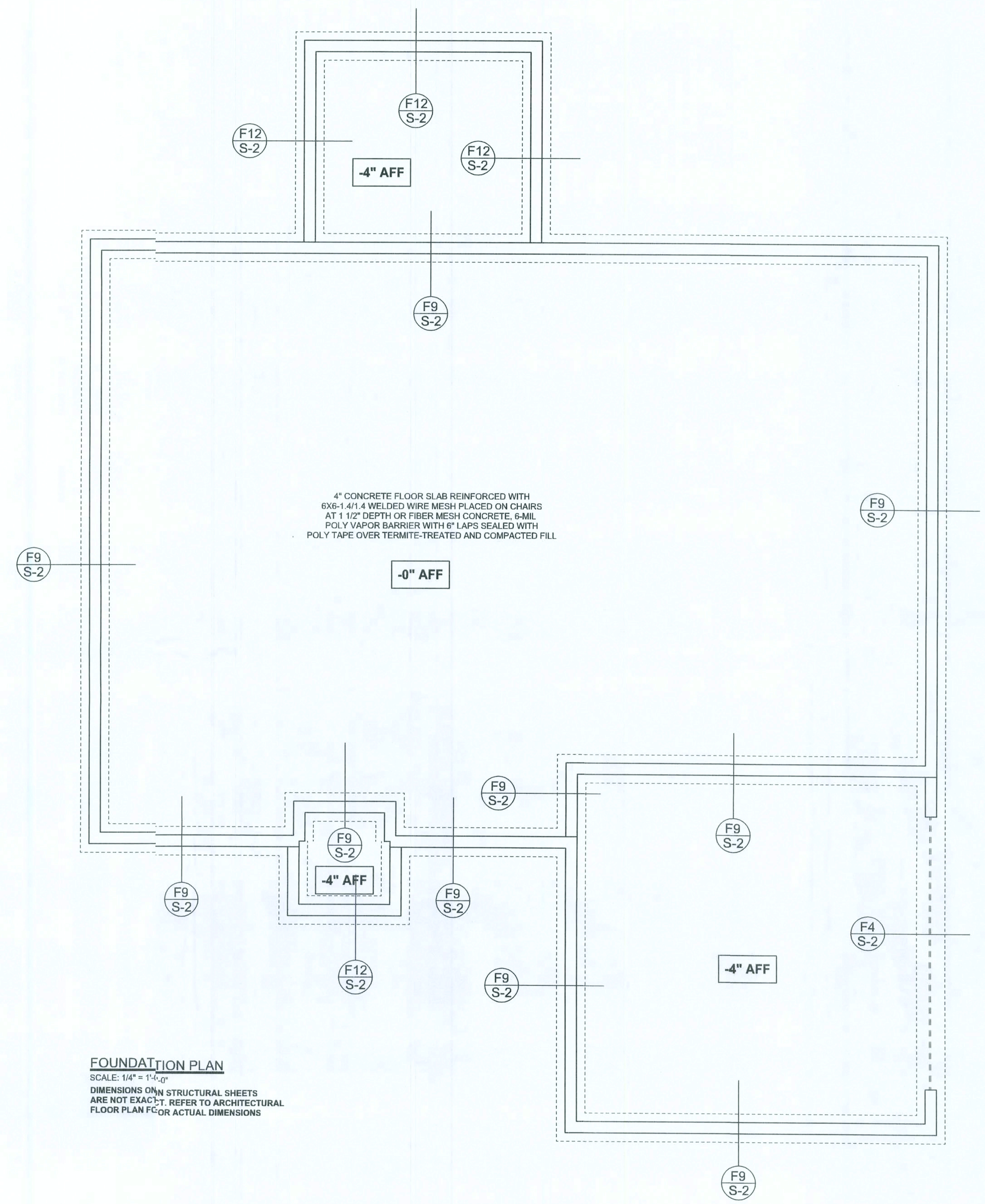
F2 / S-2 INTERIOR BEARING FOOTING
SCALE: 1/2" = 1'-0"



F3 / S-2 IITERIOR BEARING STEP FOOTING
SALE: 1/2" = 1'-0"



F4 / S-2 GARAGE DOOR FOOTING
SCALE: 1/2" = 1'-0"



FOUNDATION PLAN

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

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

REVISIONS

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

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

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

CERTIFICATION: I hereby ertify that I have examined this plan, and thathe applicable portions of the plan, relatingto wind engineering comply wih section R301.2.1, florida building cde residential 2004, to the best of my knowledge

LIMITATION: This design isvalid for one building, at specified locatio.

MARK DISOSVAY
P.E. 5391!
24NOV08
SEAL

Erkinger Builders

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PRINTED DATE: November 2?, 2008

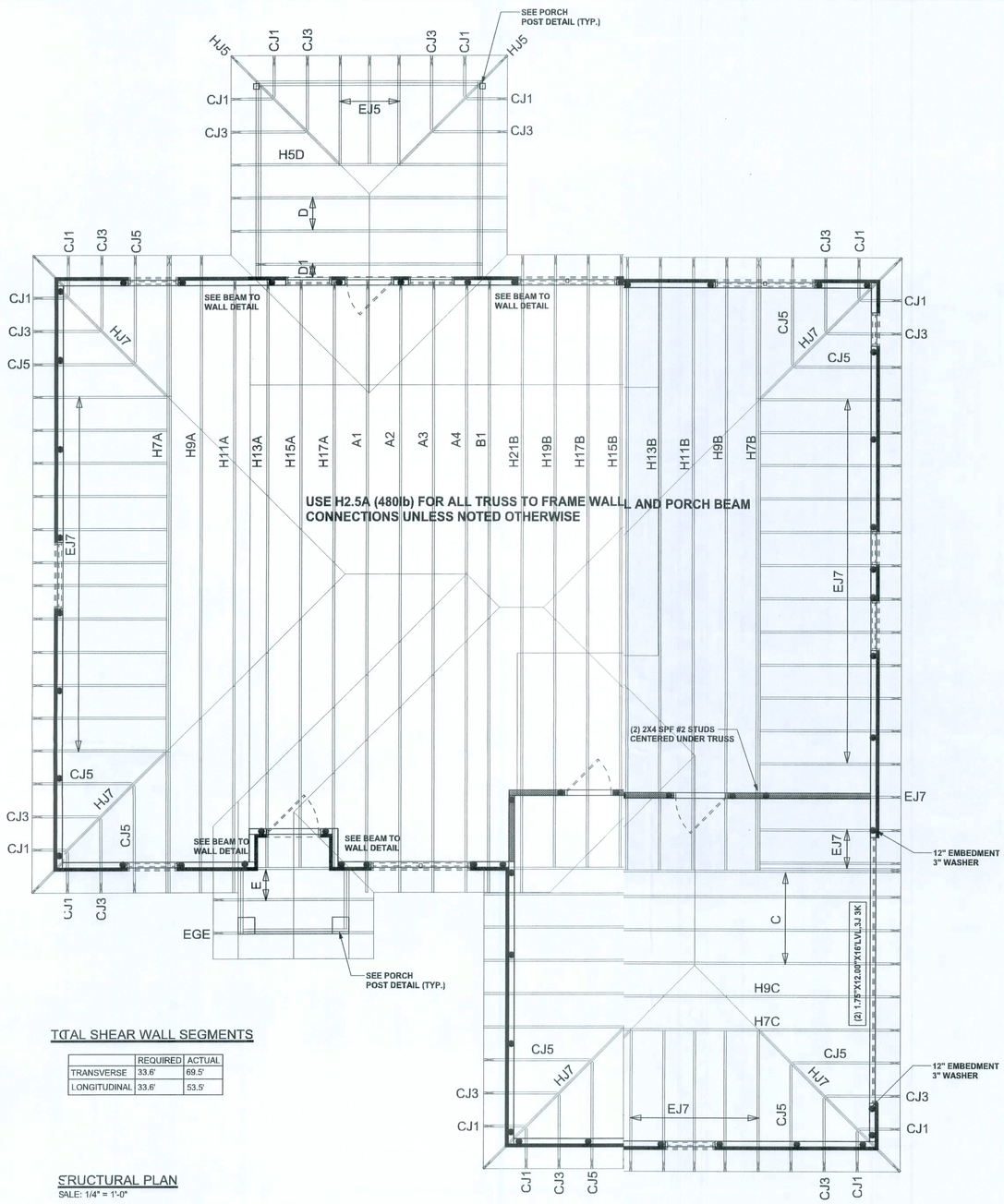
DRAWN BY:

STRUCTURAL BY: David Disosway

FINALS DATE: 23Nov08

JOB NUMBER: 811113

DRAWING NUMBER
S-2
OF 6 SHEETS



TOTAL SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	33.6'	69.5'
LONGITUDINAL	33.6'	53.5'

STRUCTURAL PLAN

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

STRUCTURAL PLAN NOTES

SI-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 SYP#2 (U.N.O.)

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

SI-3 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

SI-4 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSI1-03, BCSI-B1, BCSI-B2, & BCSI-B3, BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

HEADER LEGEND

(2) 2X12X0',1J 1K — HEADER/BEAM CALL-OUT (U.N.O.)

- NUMBER OF KING STUDS (FULL LENGTH)
- NUMBER OF JACK STUDS (UNDER HEADER)
- SPAN OF HEADER
- SIZE OF HEADER MATERIAL
- NUMBER OF PLIES IN HEADER

THREADED ROD LEGEND

- INDICATES LOCATION OF: 1ST FLOOR 1/2" A307 ALL THREADED ROD
- INDICATES LOCATION OF: 2ND FLOOR 1/2" A307 ALL THREADED ROD

WALL LEGEND

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

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. ANDERSON TRUSS JOB # 8-270

REVISIONS

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

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DIMENSIONS:
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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, florida building code residential 2004, to the best of my knowledge.

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

MARK DISOSWAY
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