

REVISIONS 12Sep07

SOFTPIAN

sws = 0.0'	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR WALL
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1
IBW	2ND FLOOR INTERIOR BEARING VALLS SEE DETAILS ON SHEET S-1

COPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. hereby expressly reserved its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable ortions of the plan, relating to wind engineering comply with section R301.2.1, florida building code residential 2004, to the best of my

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

> MARK DISOSWAY P.E. 53915

Compass Builders

Spec House

ADDRESS: Lot 22 Columbia Homesites S/D 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:

September 12, 2007 DRAWN BY: CHECKED BY: David Disosway

FINALS DATE: 11 / Apr / 07

> JOB NUMBER: 704094 DRAWING NUMBER

> > OF 3 SHEETS

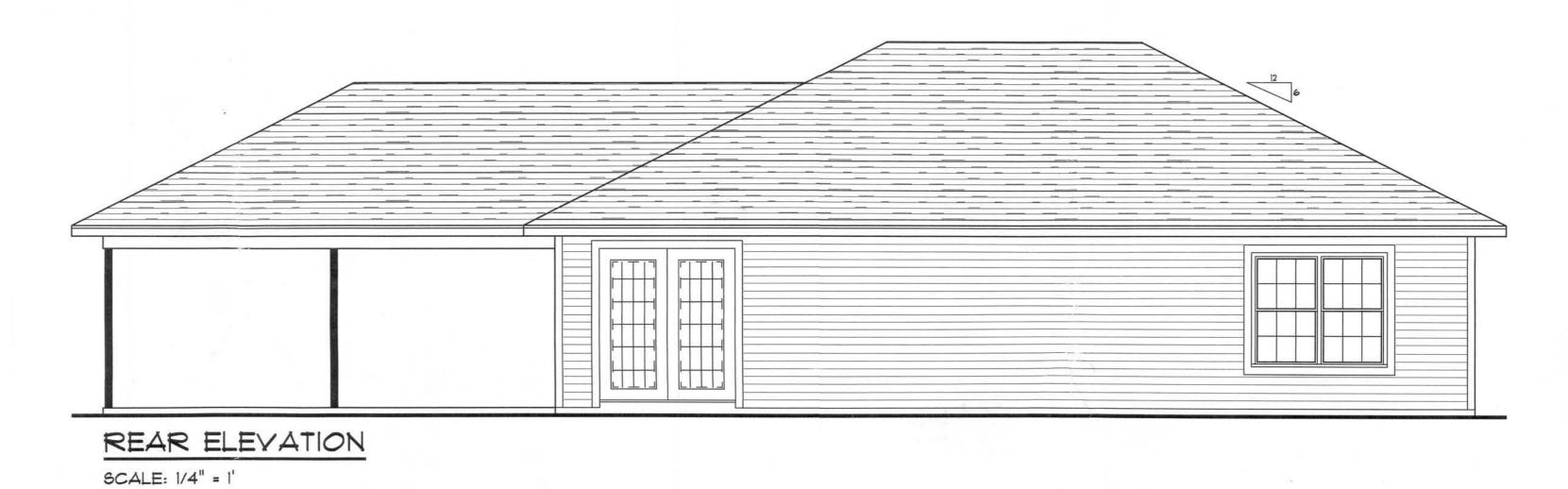
RIGHT ELEVATION SCALE: 1/4" = 1'

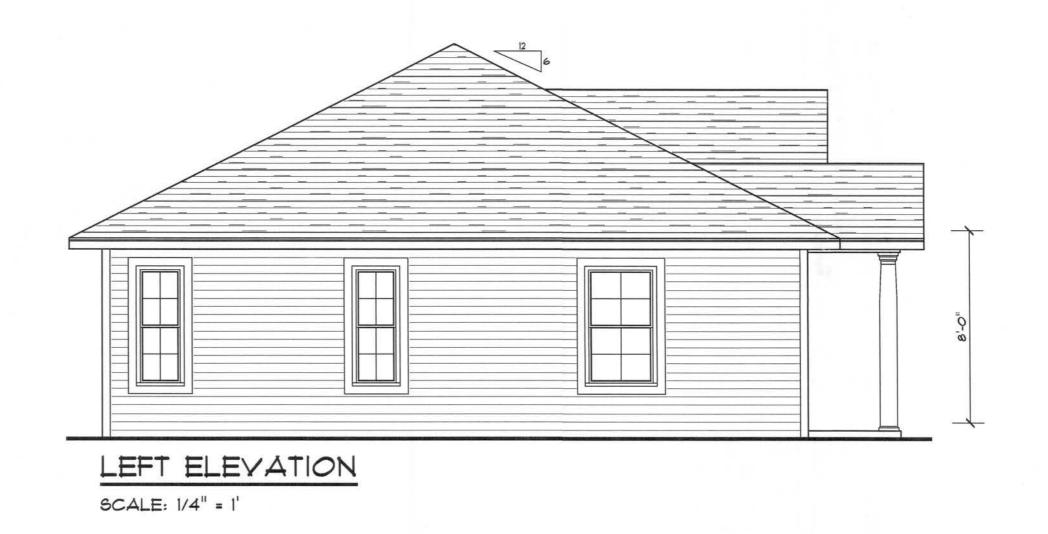
GAF-MBERLINE SHINGLES W/ 6-NAILS IN EACH SHINGLE STRIFON 30-LB FELT PAPER OVER 1/16" ORIENTED STRAND BOAD ROOF SHEATHING FASTENED AS PER WINDLOAD ANALYSIS FLASING: 26 ga. GALVANIZED STEEL PRE:NGINEERED WOOD ROOF TRUSSES AT 24" O.C. (SELET TRUSS CONNECTORS PER WINDLOAD ANALYSIS) BLON-IN INSULATION EQUAL TO R-30 (2) 24 SYP DOUBLE TOP PLATE NOTE SEAL ALL PENETRATIONS IN TOP PLATE AND FIRESTOP BLOCKING WITH CODE APPROVED SEALANT 16" OVERHANG (TYPICAL) 2x8 ft. FASCIA W/ IX4 DRIP NAILER ALUMUM DRIP EDGE MOLDING, AND/ENTED SOFFIT INTEIOR FINISH - 1/2" GYPSUM WALLBOARD 2X4 ! SPF PRECUT STUDS AT 16" O.C. WITH ULL-THICK FIBERGLASS INSULATION EQUA TO R-11 EXTRIOR FINISH TO BE HARDI-PLANK LAP SIDING 7/16"D.S.B. WALL SHEATHING (BLOCK ALL EDGES) FASTNED AS PER WINDLOAD ANALYSIS FLORING AND INTERIOR TRIM PER SPECIFICATIONS 4" CNCRETE FLOOR SLAB REINFORCED WITH WELDED WIREMESH EMBEDDED 2" IN SLAB ON 6 MIL POLY YAPR BARRIER (6" LAPS SEALED WITH POLY TAPE) OVE COMPACTED FILL TREATED WITH TERMITICIDE 2 x 4P.T. PINE SOLE PLATE ANCHORED WITH WITHINCHOR BOLTS AS PER WINDLOAD ANALYSIS 1-*5, ONTINUOUS, IN CONCRETE BOND BEAM AT SAB EDGE INTERSECTION WITH STEMWALL

TYPICAL WALL SECTION SCALE: 1" = 1'0"



FRONT ELEVATION SCALE: 1/4" = 1'





FILE COPY

Daniel Shaheen

ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

APPOXIMATE FINISH GRADE

April 20, 2007

FILE COPY

D.D.S. STUDIOS
P.O. Box 273
Lake City FL. 32056
(386) 754-0181

SHEET NUMBER of 2

All work shall comply with the standard building code, and all applicable local codes and ordinances. Contractor shall verify all dimensions prior to commencing construction.

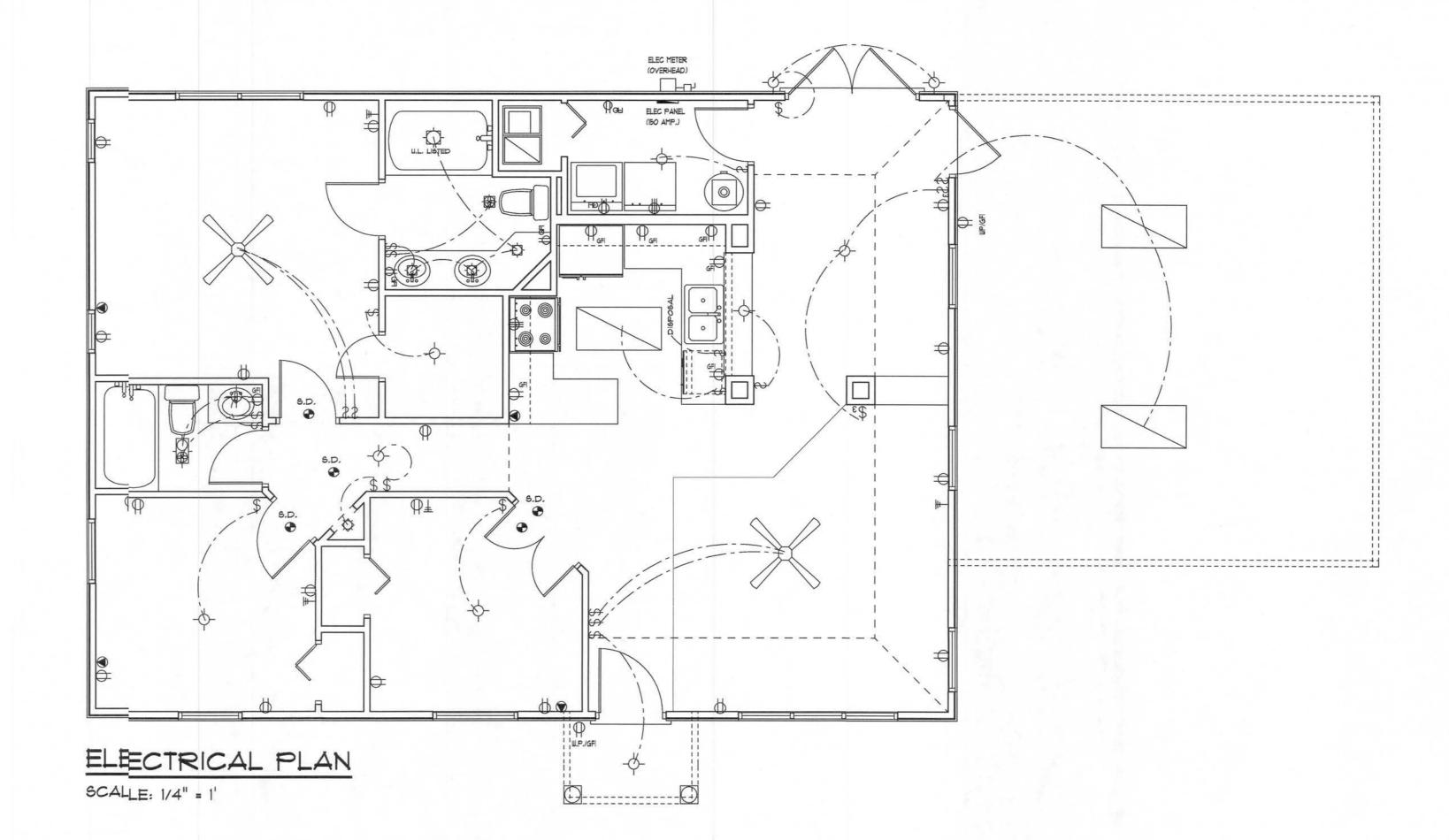
ELECTRICAL PLAN NOTES

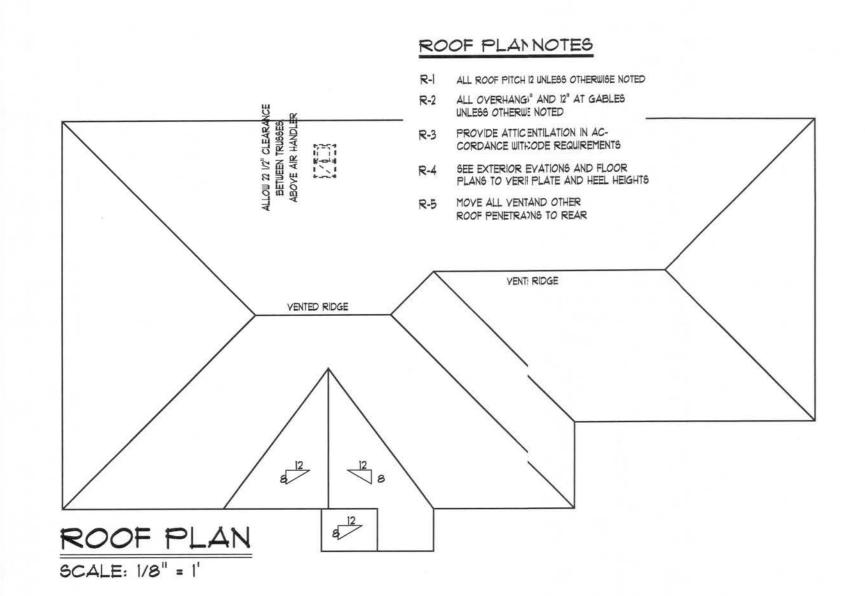
- ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION, AND ALL OTHER APPLICABLE LOCAL CODES AND ORDINANCES.
- NOTE: ALL SMOKE DETECTORS TO BE WIRED TOGETHER TO ACTUATE ALL ALARMS IF ANY ONE UNIT IS ACTUATED.
- PROVIDE WIRING AS REQUIRED FOR APPLIANCES, AIR CONDITIONING, HEATING AND WATER HEATING EQUIPMENT.
- E-4 ALL BEDROOM RECEPTACLES SHALL BE AFCI.
 (ARC FAULT CIRCUIT INTERRUPT)

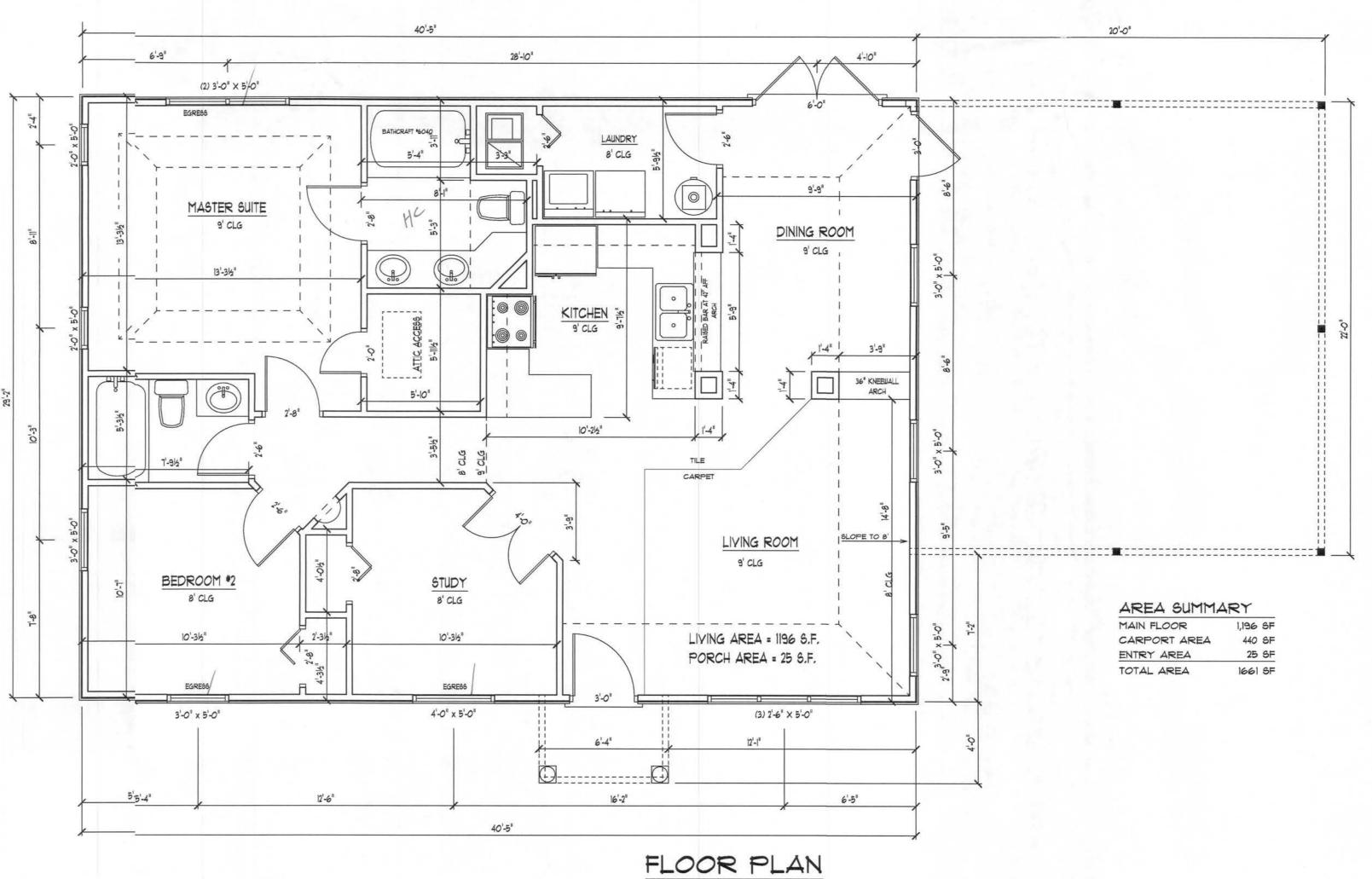
NOTE: PROVIDE OUTLETS
PER CODE REQUIREMENTS

NOTE: PROVIDE SMOKE DETECTORS
PER CODE REQUIREMENTS

THIS ELECTRICAL PLAN IS A SCHEMATIC
WITH SUGGESTED SWITCH, RECEPTACLE,
AND LIGHT FIXTURE LOCATIONS. DUE TO
VARYING LOCAL AND STATE CODES,
REGULATIONS, AND STATUTES, IT IS THE
RESPONSIBILITY OF THE OWNER AND/OR
CONTRACTOR TO COMPLY WITH ALL LOCAL
AND STATE CODES, REGULATIONS AND STATUTES.







SCALE: 1/4" = 1'

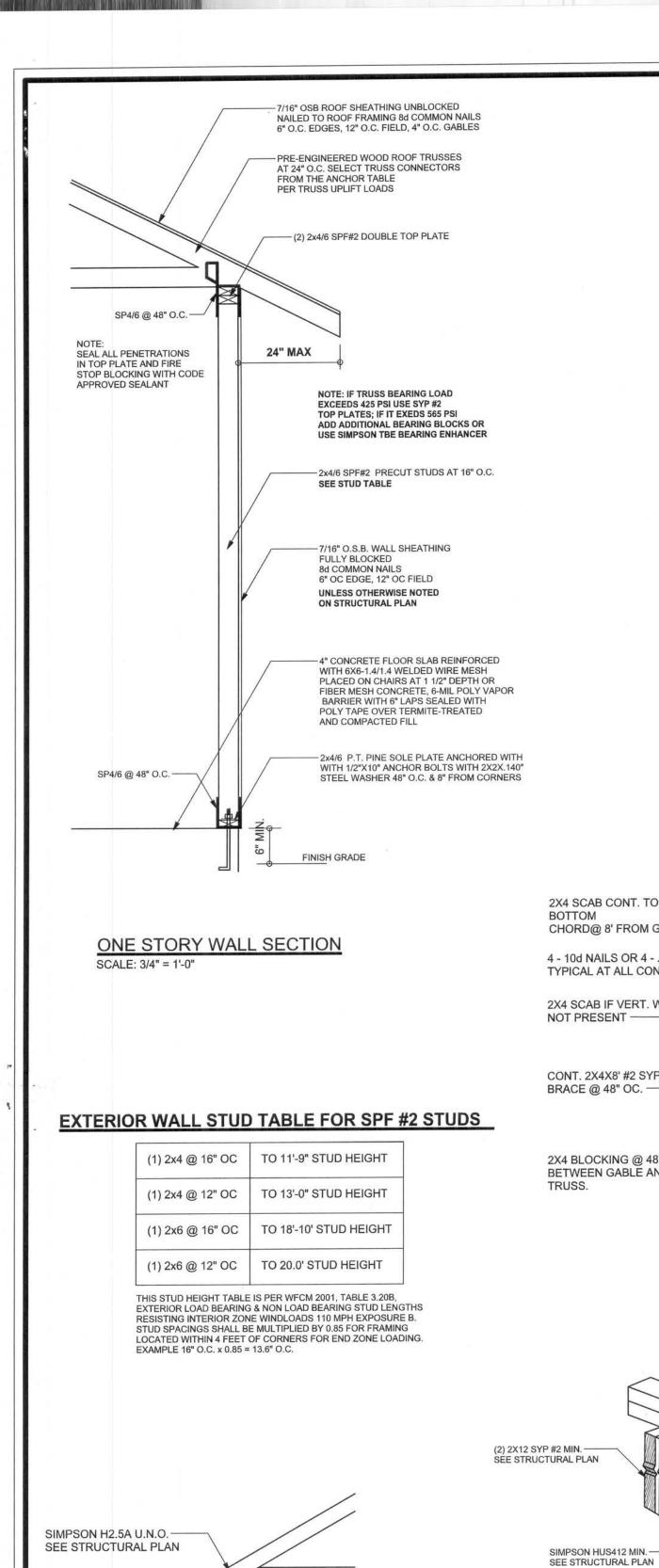
Daniel Shaheen

D.D.S. STUDIOS

P.O. Box 273 Lake City FL. 32056 (386) 754-0181

SHEET NUMBER 2 of 2

All work shall comply with the standard building code, and all applicable local codes and ordinances. Contractor shall verify all dimensions prior to commencing construction.



(2) 2X10 SYP #2 U.N.O.

-6X6 SYP #2 POST

(2) SIMPSON LSTA21-

w/ (8) -16d TO HEADER

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

AND (8) -16d TO POST

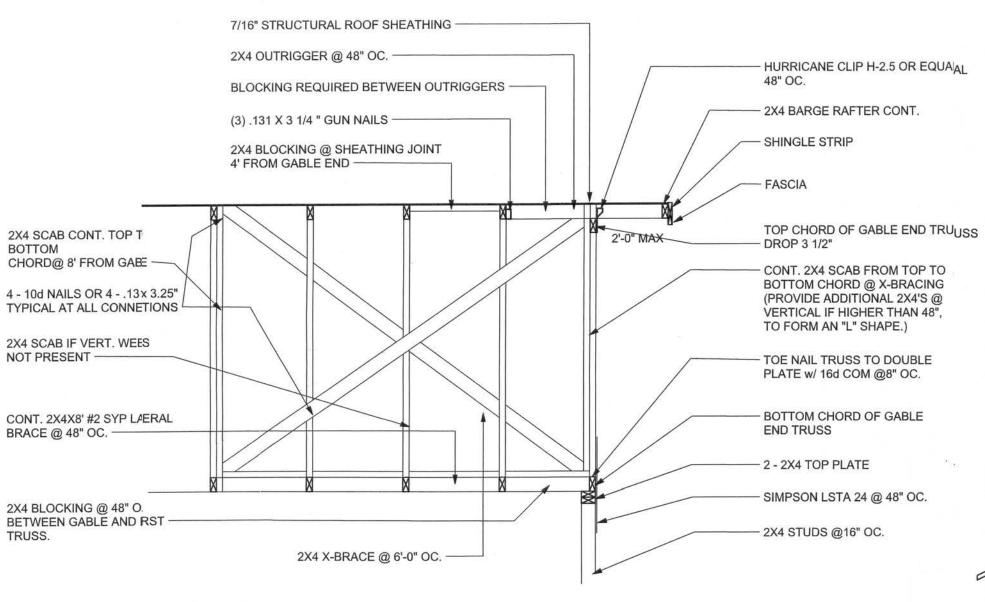
SEE STRUCTURAL PLAN

-SIMPSON ABU POST BASE

w/ (12) - 16d & 5/8" x 10"

-SEE FOOTING DETAILS

ANCHOR BOLT



TYPICAL GABLE END (X-BRACING)

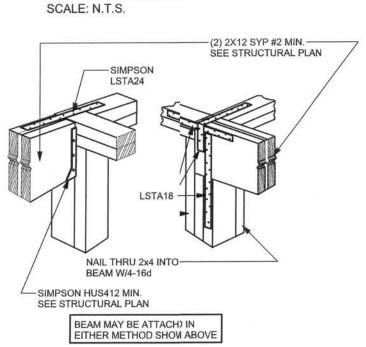
ALL MEMBERS SHALL BE SYP

2X4 LADDER BEAM 3 SIMPSON LSTA18'S (1-ONE SIDE, 2-ON-OPPOSITE SIDE) EA. NAILED WITH 14-10d

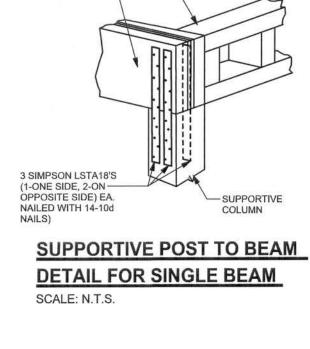
MIN. (SEE STRUCTURAL PLAN) **BEAM MID-WAL CONNECTION DETAIL**

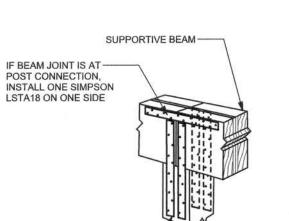
TOGETHER W/2-16d

NAILS AT 16" O.C.



BEAM CORNER CONIECTION. DETAIL





4-SIMPSON LSTA18 ---

OTHER SIDE)

SUPPORTIVE CENTER POST TO BEAM DETAIL

- NAIL SHEATHING TO HEADER AND TOP PLATE WITH 8d AT 4" O.C. FOR UPLIFT (6) .131 x 3 1/4" GUN NAILS --(6) .131 x 3 1/4" GUN NAILS TOE NAILED THRU HEADER TOE NAILED THRU HEADER INTO KING STUD INTO KING STUD —LSTA18 (U.N.O. – CRIPPLES IF REQUIRED (4) .131 x 3 1/4" GUN NAILS TOE NAILED THRU SILL -INTO JACK STUD U.N.O. TYPICAL STRAPPING (U.N.O.) (SEE STRUCTURAL PLAN)

-SP4 OR (2) H2.5A OR (2) SSP-

(1) 2X6 SPF #2 SILL UP TO 11'-0" U.N.O.

(1) 2X4 SPF #2 SILL UP TO 7'-3" U.N.O.

(FOR: 110 MPH, 10'-0" WALL HIGHT U.N.O.)

TYPPICAL HEADER STRAPING DETAIL

ALL OPENINGS (U.N.O.)

GRADE & SPECIES TABLE

SYP #2

SYP #2

SYP #2

24F-V3 SP

LSL TIMBERSTRAND 1700

MICROLAM

PARALAM 2900

PRE ENGINEERED ROOF TRUSS -

DOUBLE 2x4 SPF TOP PLATE NAILED -TOGETHER W/2-16d NAILS AT 16" O.C 4' MIN. LAP w/ (12) - 16d OR 4" LAP w/

CS20 w/ (4) - 16d &(14) - 10d

INTERIOR CEILING AS -

CONTINUOUS FRAME ----TO TOP PLATE AT

BOTTOM CHORD OF TRUSS

SPECIFIED ON FLOOR PLAN

ALL STUDS TO BE 2x4 ----

CONTINUOUS FRAME TO

CEILING DIAPHRAGM DETAIL

SPF NAILED TO TOP

WITH 2-16d NAILS

AND BOTTOM PLATES

Fb (psi) E (10^b psi)

1.6

1.7

1.9

1200

1050

975

2400

1600

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 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: $6" \times 6" \times 1.4 \times 1$ 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 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: 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"0C 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

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.	

ROOF SYSTEM DESIGN

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION R301.2.1 IS 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 FBC 2001 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

ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS

DPLIFT LBS. SYP	OPLIFT LBS. SPF	TRUSS CONNECTOR*	TO PLATES	TO RAFTER/TRUSS	TO STUDS
< 420	< 245	H5A	3-8d	3-8d	
< 455	< 265	H5	4-8d	4-8d	
< 360	< 235	H4	4-8d	4-8d	
< 455	< 320	H3	4-8d	4-8d	
< 415	< 365	H2.5	5-8d	5-8d	
< 600	< 535	H2.5A	5-8d	5-8d	
< 950	< 820	H6	8-8d	8-8d	
< 745	< 565	H8	5-10d, 1 1/2"	5-10d, 1 1/2"	
< 1465	< 1050	H14-1	13-8d	12-8d, 1 1/2"	
< 1465	< 1050	H14-2	15-8d	12-8d, 1 1/2"	
< 990	< 850	H10-1	8-8d, 1 1/2"	8-8d, 1 1/2"	
< 760	< 655	H10-2	6-10d	6-10d	
< 1470	< 1265	H16-1	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1470	< 1265	H16-2	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1000	< 860	MTS24C	7-10d 1 1/2"	7-10d 1 1/2"	
< 1450	< 1245	HTS24	12-10d 1 1/2"	12-10d 1 1/2"	
< 2900	< 2490	2 - HTS24	The salabore services and a service services and a service ser		
< 2050	< 1785	LGT2	14 -16d	14 -16d	
		HEAVY GIRDER TIEDOWNS*			TO FOUNDATION
< 3965	< 3330	MGT		22 -10d	1-5/8" THREADED ROD 12" EMBEDMENT
< 10980	< 6485	HGT-2		16 -10d	2-5/8" THREADED ROD 12" EMBEDMENT
< 10530	< 9035	HGT-3		16 -10d	2-5/8" THREADED ROD 12" EMBEDMENT
< 9250	< 9250	HGT-4		16 -10d	2-5/8" THREADED ROD 12" EMBEDMENT
		STUD STRAP CONNECTOR*			TO STUDS
< 435	< 435	SSP DOUBLE TOP PLATE	3 -10d		4 -10d
< 455	< 420	SSP SINGLE SILL PLATE	1 -10d		4 -10d
< 825	< 825	DSP DOUBLE TOP PLATE	6 -10d		8 -10d
< 825	< 600	DSP SINGLE SILL PLATE	2 -10d		8 -10d
< 885	< 760	SP4			6-10d, 1 1/2"
< 1240	< 1065	SPH4			10-10d, 1 1/2"
< 885	< 760	SP6			6-10d, 1 1/2"
< 1240	< 1065	SPH6			10-10d, 1 1/2"
< 1235	< 1165	LSTA18	14-10d		
< 1235	< 1235	LSTA21	16-10d		
< 1030	< 1030	CS20	18-8d		
< 1705	< 1705	CS16	28-8d		
		STUD ANCHORS*	TO STUDS		TO FOUNDATION
< 1350	< 1305	LTT19	8-16d		1/2" AB
< 2310	< 2310	LTTI31	18-10d, 1 1/2"		1/2" AB
< 2775	< 2570	HD2A	2-5/8" BOLTS		5/8" AB
< 4175	< 3695	HTT16	18 - 16d		5/8" AB
< 1400	< 1400	PAHD42	16-16d		
< 3335	< 3335	HPAHD22	16-16d		
< 2200	< 2200	ABU44	12-16d		1/2" AB
< 2300	< 2300	ABU66	12-16d		1/2" AB
< 2320	< 2320	ABU88	18 - 16d		2-5/8" AB

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%

BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE

) INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)

8.) COMPONENTS AND CLADDING DESIGN WIND PRESSURES (TABLE R301.2(2))

Zone Effective Wind Area (ft2)

-40.6

3 19.9 -25.5 18.1 -21.8 3 O'hg -68.3 -42.4

4 21.8 -23.6 18.5 -20.4

5 21.8 -29.1 18.5 -22.6

Doors & Windows 21.8 -29.1

19.9 -21.8 | 18.1 | -18.1

19.9 -25.5 18.1 -21.8

BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION

1.) BASIC WIND SPEED = 110 MPH

3.) WIND IMPORTANCE FACTOR = 1.0

ROOF ANGLE = 10-45 DEGREES

MEAN ROOF HEIGHT = <30 FT

2.) WIND EXPOSURE = B

4.) BUILDING CATEGORY = II

SLOPE AND UNOBSTRUCTED UPWIND FOR 50x HEIGHT OR 1 MILE WHICHEVER IS LESS.)

UPLIFT LBS. SYP UPLIFT LBS. SPF TRUSS CONNECTOR* TO PLATES TO RAFTER/TRUSS TO STUDS

REVISIONS

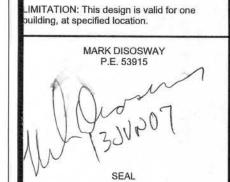
NDLOAD ENGINEER: Mark Disosway, PE No.53915, POB 868, Lake City, FL 32056, 386-754-5419

DIMENSIONS: ted dimensions supercede scale imensions. Refer all questions to ark Disosway, P.E. for resolution. to not proceed without clarification

OPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. hereby expressly reserv s common law copyrights and property right in nese instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express writter permission and consent of Mark Disosway.

ERTIFICATION: I hereby certify that I have mined 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

ilding, at specified location.



Compass Builders

Spec House Lot 22

Columbia Homesites S/D

ADDRESS: Lot 22 Columbia Homesites S/D

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

Phone: (386) 754 - 5419

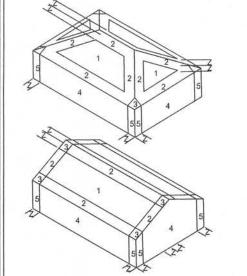
Fax: (386) 269 - 4871 PRINTED DATE: June 13, 2007 David Disosway

FINALS DATE: 11 / Apr / 07

JOB NUMBER: 704094 DRAWING NUMBER

OF 3 SHEETS

NOT IN FLOOD ZONE (BUILDER TO VERIFY



DESIGN DATA

2 ²		Worst Case (Zone 5, 10 ft2)	
5	2 3	8x7 Garage Door	19.5
1	4 3 4 5 5 5 5 2 2 2	16x7 Garage Door	18.5
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 BE	ARING CAPACITY 1000PSF	12-12-17-17-17-17-17-17-17-17-17-17-17-17-17-	

MASONRY NOTES:

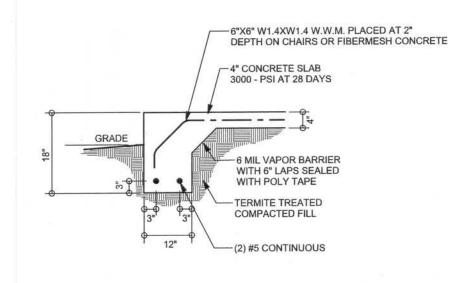
MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER

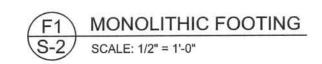
	ACI530.1-02 Section	Specific Requirements	
1.4A	Compressive strength	8" block bearing walls F'm = 1500 psi	
2.1	Mortar	ASTM C 270, Type N, UNO	
2.2	Grout	ASTM C 476, admixtures require approva	
2.3	CMU standard	ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block	
2.3	Clay brick standard	ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5"	
2.4	Reinforcing bars, #3 - #11	ASTM 615, Grade 60, Fy = 60 ksi, Lap splices min 48 bar dia. (30" for #5)	
2.4F	Coating for corrosion protection	Anchors, sheet metal ties completely embedded in mortar or grout, ASTM A525, Class G60, 0.60 oz/ft2 or 304SS	
2.4F	Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet meta ties not completely embedded in mortar or grout, ASTM A153, Class B2, 1.50 oz/ft2 or 304SS	
3.3.E.2	Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.	
3.3.E.7	Movement joints	Contractor assumes responsibility for and location of movement joints if not	

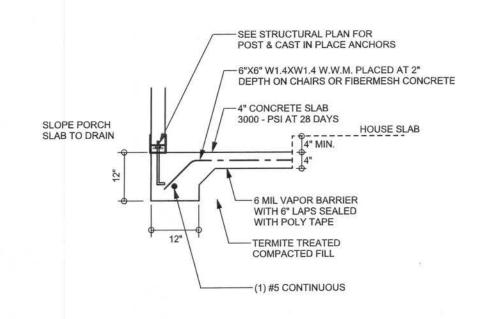
detailed on project drawings.

REVISIONS

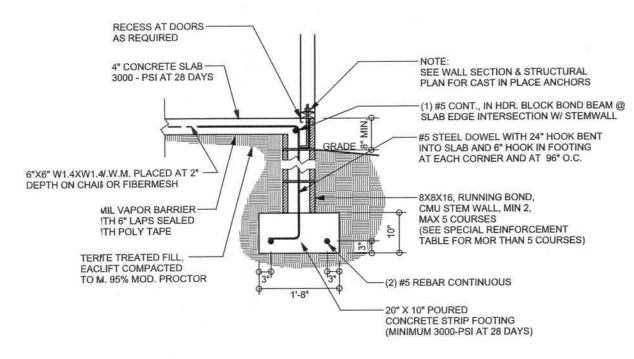
SOFTPN ARCHITECTURAL DESIGN SOFTWA



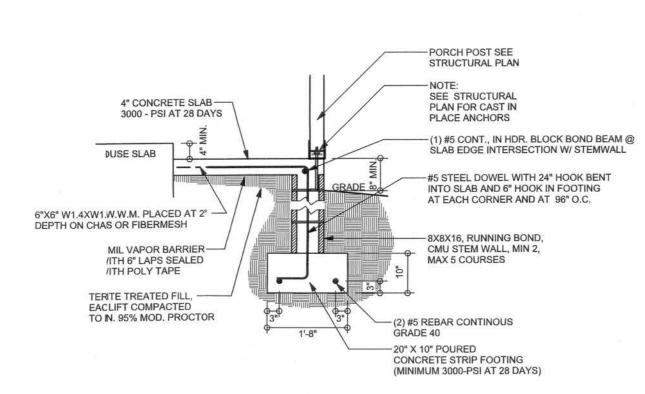




F5 PORCH FOOTING
S-2 SCALE: 1/2" = 1'-0"



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

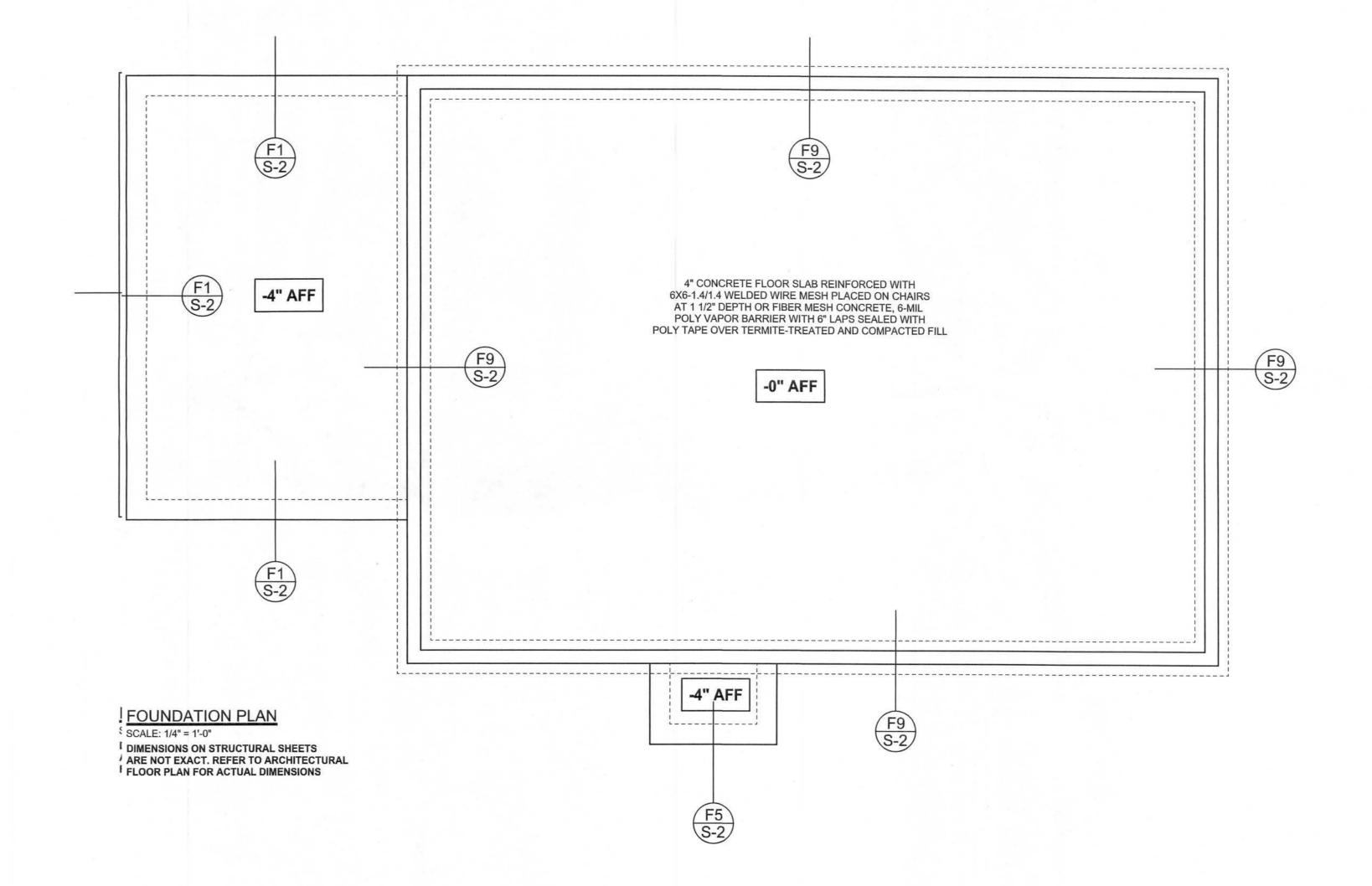


F12 STEM WALL PORCH FOOTING
S-2 SCALE: 1/2" = 1'-0"

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 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.

STEMWALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.)		BACKFILL FOR 8" CMU STEMWALL FOR 12" CMU STEMWA		MWALL	
	#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



WNDLOAD ENGINEER: Mark Disosway, PE No.53915, POB 868, Lake City, FL 3.056, 386-754-5419 DMENSIONS: Sated dimensions supercede scaled

dmensions. Refer all questions to Mark Disosway, P.E. for resolution.
Dinot proceed without clarification.

CPYRIGHTS AND PROPERTY RIGHTS:
Mark Disosway, P.E. hereby expressly reserves it common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written prmission and consent of Mark Disosway.

CERTIFICATION: I hereby certify that I have earnined this plan, and that the applicable prtions of the plan, relating to wind engineering cmply with section R301.2.1, florida building cde residential 2004, to the best of my kowledge.

LVITATION: This design is valid for one bilding, at specified location.

MARK DISOSWAY
P.E. 53915

SEAL

Compass Builders

Spec House Lot 22 Columbia Homesites S/D

ADDRESS: Lot 22 Columbia Homesites S/D 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:
June 13, 2007

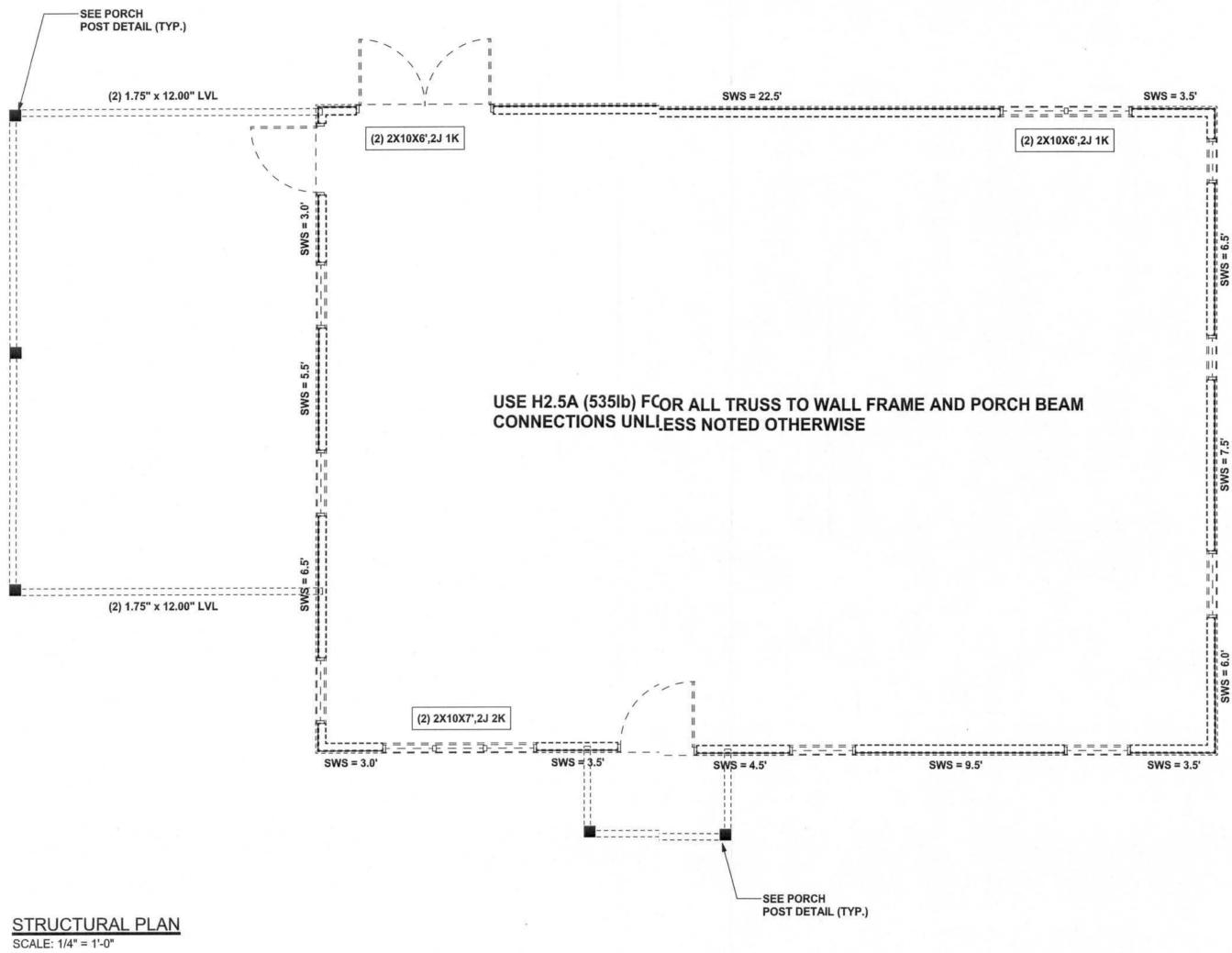
DRAWN BY: CHECKED BY:
David Disosway

FINALS DATE: 11 / Apr / 07

> JOB NUMBER: 704094 DRAWING NUMBER

> > S-2 OF 3 SHEETS

SOFTPIXAN ARCHITECTURAL DESIGN SOFTWARE



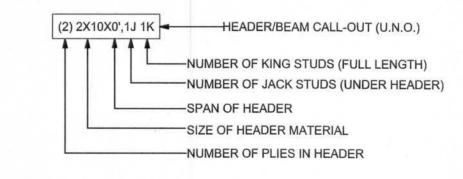
STRUCTURAL PLAN NOTES

- 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
- PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. SN-4 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

WALL LEGEND

sws = 0.0' t====================================	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR WALL
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1
IBW	2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1

HEADER LEGEND



TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	31.0'	35.0'
LONGITUDINAL	28.5'	45.5'

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

dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification. COPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

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

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

MARK DISOSWAY P.E. 53915

> Compass Builders Spec House

Lot 22 Columbia Homesites S/D

ADDRESS: Lot 22 Columbia Homesites S/D 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: June 13, 2007 DRAWN BY: CHECKED BY:

David Disosway

FINALS DATE: 11 / Apr / 07

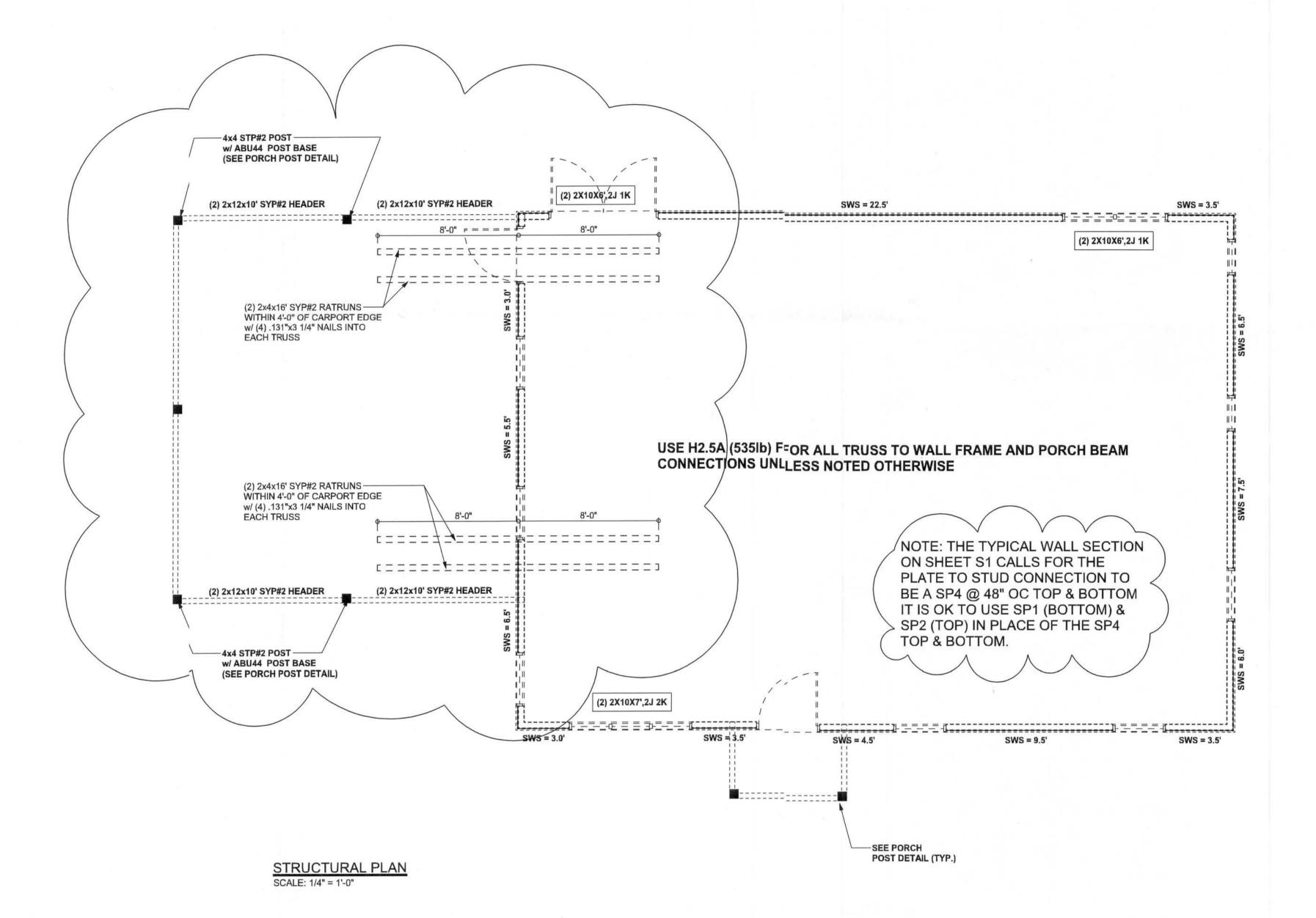
JOB NUMBER: 704094 DRAWING NUMBER

> **S-3** OF 3 SHEETS

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. W. B. HOWLAND TRUSS JOB #4490

REVISIONS

SOFTPIAN



STRUCTURAL PLAN NOTES

ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 SYP #2 (U.N.O.)

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

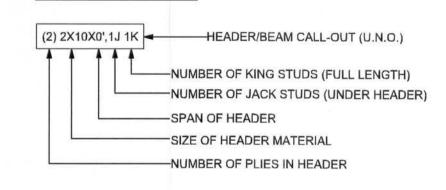
DIMENSIONS ON STRUCTURAL SHEETS SN-3 ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. SN-4 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

WALL LEGEND

sws = 0.0' [1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR WALL
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1
IBW	2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1

HEADER LEGEND



TOTAL SHEAR WALL SEGMENTS SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

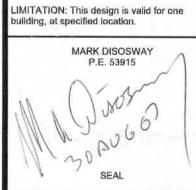
	REQUIRED	ACTUAL
TRANSVERSE	31.0'	35.0'
LONGITUDINAL	28.5'	45.5'

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

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

COPYRIGHTS AND PROPERTY RIGHTS: COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disosway, P.E. hereby expressly reserves
its common law copyrights and property right in
these instruments of service. This document is
not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineerin comply with section R301.2.1, florida building code residential 2004, to the best of my



Compass Builders

Spec House Lot 22 Columbia Homesites S/D

ADDRESS: Lot 22 Columbia Homesites S/D 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: August 30, 2007 CHECKED BY: DRAWN BY:

David Disosway

11 / Apr / 07

JOB NUMBER: 704094

> S-3 OF 3 SHEETS

DRAWING NUMBER

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. W. B. HOWLAND TRUSS JOB #4490