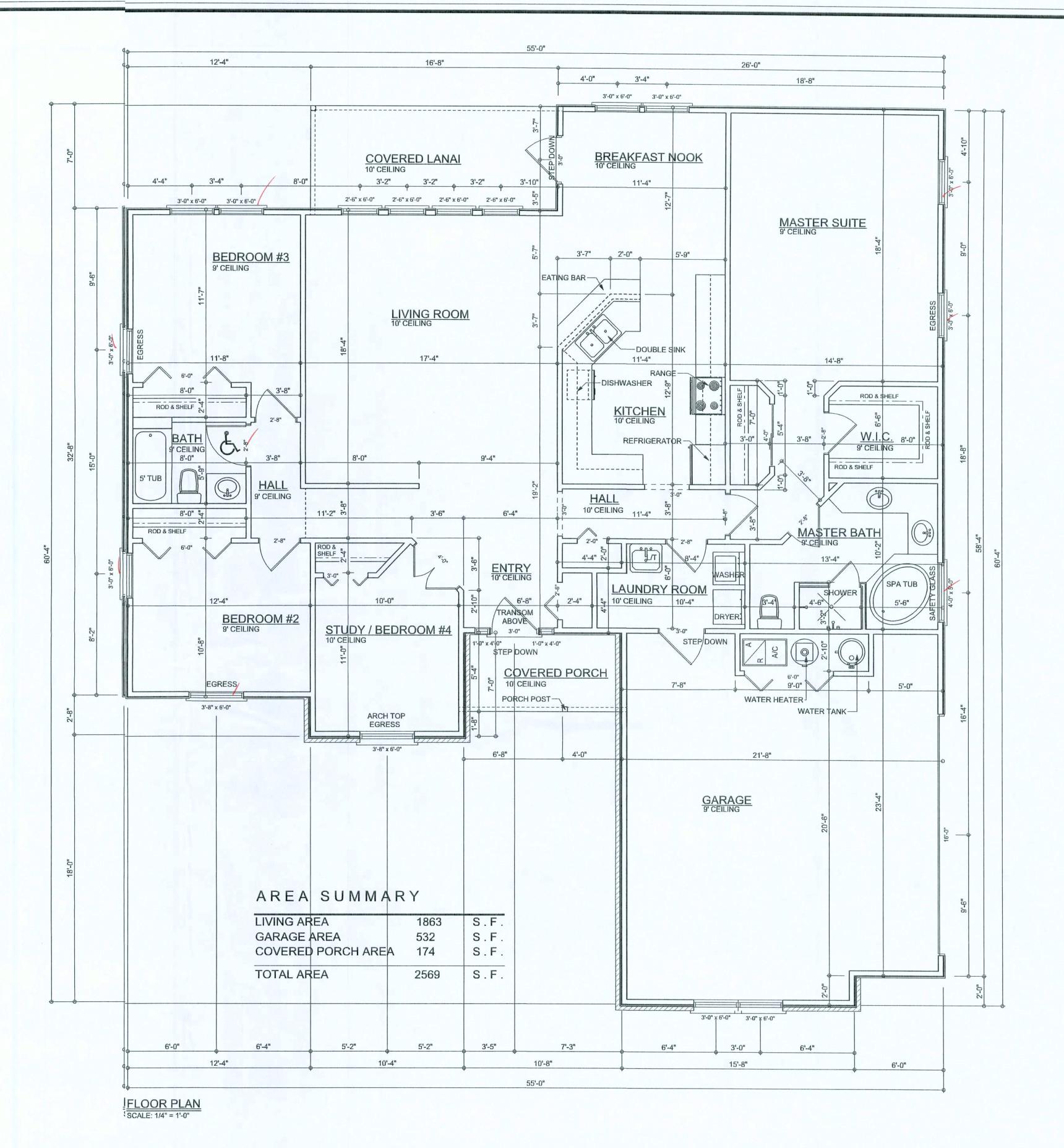


TYPICAL DESIGN WALL SECTION NON - STRUCTURAL DATA 1" = 1'- 0"



REVISIONS

SOFTPION ARCHITECTIFAL DESIGN SOFTWARE

WINDLOAD ENGILEER: Mark Disosway, PE No.53915, POE 868, Lake City, FL 32056, 386-754-5419 Stated dimensions supercede scaled dimensions. Referall questions to Mark Disosway, P.E. for resolution. Do not proceed wihout clarification.

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permission and coisent of Mark Disosway. permission and coisent of Mark Disosway. CERTIFICATION: hereby certify that I have examined this plan and that the applicable portions of the plar, relating to wind engineering comply with sectio R301.2.1, Florida Building Code 2004 Residnial to the best of my knowledge.

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

MAFK DISOSWAY P.E. 53915 SEAL

BEN MARTIN

LANIIII MODEL

SPEC HOUSE

ADDRESS: Lot #16, Rolling Meadows S/D Columbia County, Florida

Mark Cisosway P.E. P.C. Box 868 Lake City, Florida 32056 Phone: (386) 754 - 5419 Fax: (386) 269 - 4871

PRNTED DATE: June05, 2006 DRAWN BY: CHECKED BY: Evan Beamsley

FINALS DATE 31 / May / 06

> JOB NUMBER: 601251 DRAWNG NUMBER

> > OF6 SHEETS

REVISIONS

SOFTPI AN

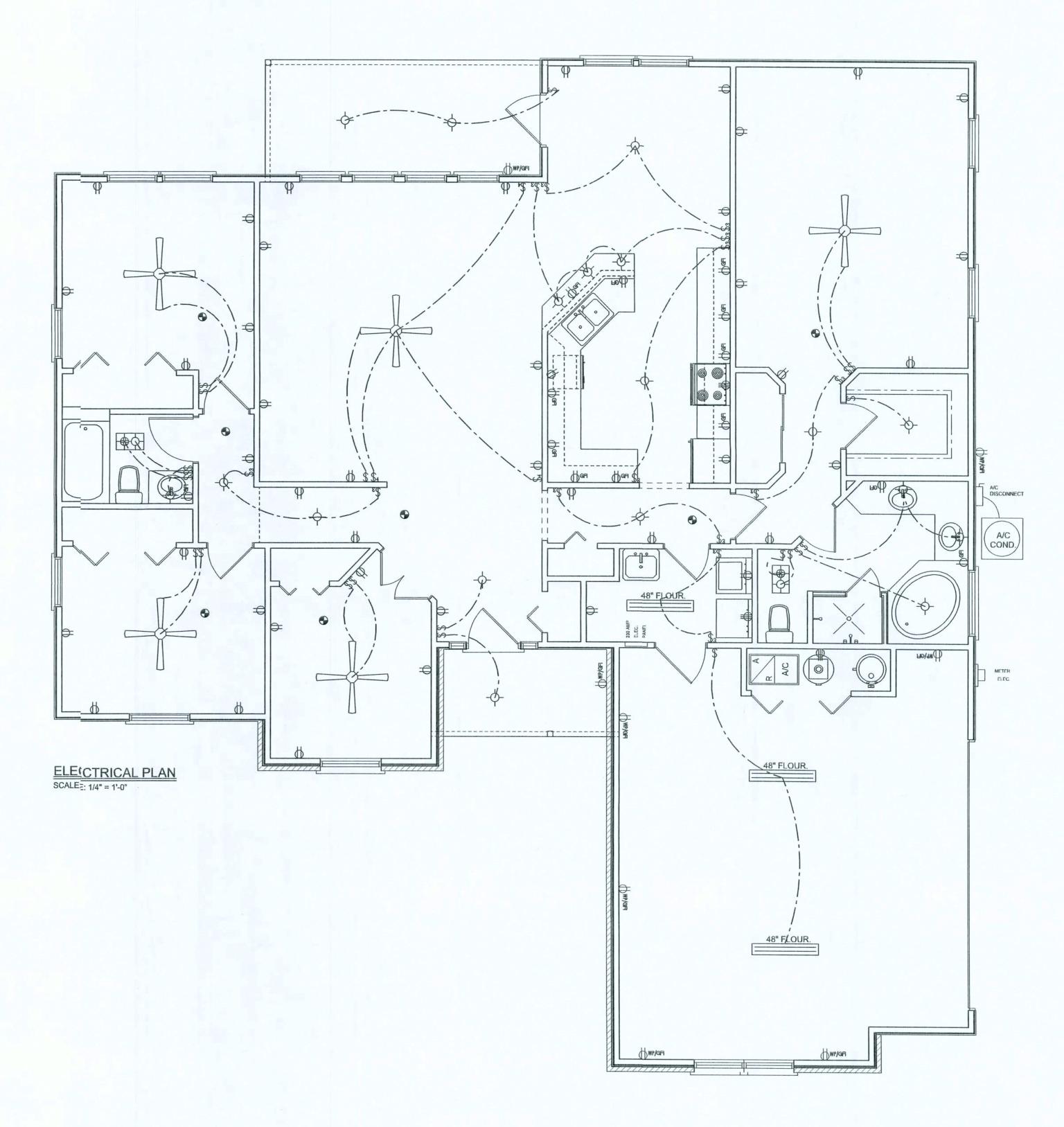
ELECTRICAL PLAN NOTES

- E -1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- E -2 CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
- E -3 ALL INSTALLATIONS SHALL BE PER NAT'L. ELECTRIC CODE.
- E -4

 ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY
 BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL
 BE INTERLOCKED TOGETHER. INSTALL INSIDE AND
 NEAR ALL BEDROOMS.
- E -5

 TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE
 DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'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 CIRCUITS.
- E -7 ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD)
 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
- A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC
- E -10 CONDUCTORS ENTER THE BUILDING.
 SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED
 INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL
 APPROVAL OF THE BUILDING OFFICIAL

	ELECTRICAL LEGEND					
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)					
QD.	DOUBLE SECURITY LIGHT					
	2X4 FLUORESCENT LIGHT FIXTURE					
0	RECESSED CAN LIGHT					
- →	BATH EXAUST FAN WITH LIGHT					
₩	BATH EXAUST FAN					
-\$-	LIGHT FIXTURE					
Ф	DUPLEX OUTLET					
	220v OUTLET					
⊕ _{ael}	GFI DUPLEX OUTLET					
•	SMOKE DETECTOR					
\$	WALL SWITCH					
\$3	3 WAY WALL SWITCH					
\$4	4 WAY WALL SWITCH					
₩P/GFI	WATER PROOF GFI OUTLET					
V	PHONE JACK					
0	TELEVISION JACK					
9	GARAGE DOOR OPENER					
	WALL HEATER					



WINDLOAD ENGINEER: Mark Disosway, PE No.53915, POB868, Lake City, FL 32056, 386-754-54 9

Stated dimensions upercede scaled dimensions. Refer ill questions to Mark Disosway, P.I. for resolution. Do not proceed witlout clarification.

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CERTIFICATION: Ihereby certify that I have examined this plan, and that the applicable portions of the plan relating to wind engineering comply with sectior R301.2.1, Florida Building Code 2004 Residntal to the best of my knowledge.

LIMITATION: This resign is valid for one building, at specifiel location.

MARK DISOSWAY
F.E. 53915
SEAL

BENMARTIN

LANIIII MODEL SPEC HOUSE

ADDRESS: Lot #16, Rilling Meadows S/D Columba County, Florida

Mark Dsosway P.E. P.O. Box 868 Lake City, Florida 32056 Phone: (386) 754 - 5419 Fax: (386) 269 - 4871

PRINTED DATE:
June 15, 2006

DRAWN BY: CHECKED BY:

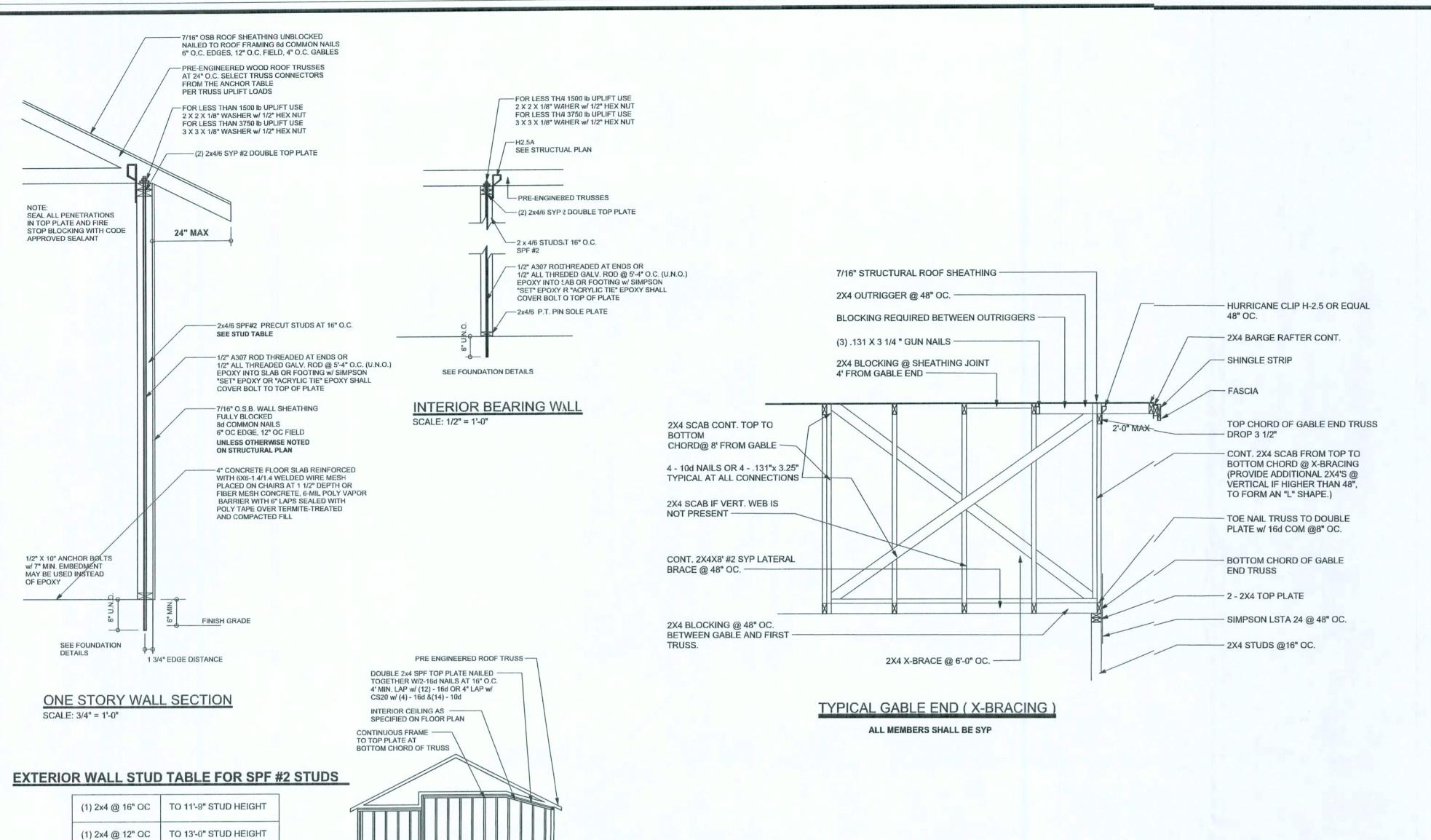
Evan Beamsley

FINALS DATE:

JOB NUMBER:

601251 DRAWNG NUMBER

A3 OF6 SHEETS



OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING UPLIFT LBS. SYP UPLIFT LBS. SPF TRUSS CONNECTOR* TO PLATES TO RAFTER/TRUSS TO STUDS < 420 < 245 3-8d < 455 < 265 H5 4-8d 4-8d < 360 < 235 4-8d H4 4-8d < 455 < 320 4-8d < 415 < 365 H2.5 5-8d 5-8d < 600 H2.5A < 535 5-8d 5-8d < 950 < 820 8-8d 8-8d < 745 < 565 5-10d, 1 1/2" 5-10d, 1 1/2' < 1465 < 1050 H14-1 13-8d 12-8d, 1 1/2" < 1465 < 1050 15-8d H14-2 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 10-10d, 1 1/2" 2-10d, 1 1/2" < 1000 < 860 MTS24C 7-10d 1 1/2" 7-10d 1 1/2" < 1450 12-10d 1 1/2" < 1245 HTS24 12-10d 1 1/2" < 2900 2 - HTS24 < 2490 < 2050 < 1785 LGT2 14 -16d HEAVY GIRDER TIEDOWNS TO FOUNDATION 5/8" THREADED ROI < 3965 < 3330 22 -10d 12" EMBEDMENT 2-5/8" THREADED ROD < 10980 HGT-2 < 6485 16 -10d 12" EMBEDMENT 2-5/8" THREADED ROI < 10530 < 9035 HGT-3 12" EMBEDMENT -5/8" THREADED ROD < 9250 < 9250 HGT-4 16 -10d 12" EMBEDMENT STUD STRAP CONNECTOR TO STUDS SSP DOUBLE TOP PLATE < 435 < 435 3 -10d 4 -10d < 455 < 420 SSP SINGLE SILL PLATE 4-10d DSP DOUBLE TOP PLATE < 825 < 825 6 -10d 8 -10d < 825 < 600 DSP SINGLE SILL PLATE 2-10d 8 -10d < 885 < 760 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

LSTA21

CS20

CS16

STUD ANCHORS*

LTT19

LTTI31

HD2A

HTT16

PAHD42

HPAHD22

ABU44

ABU88

16-10d

18-8d

28-8d

TO STUDS

8-16d

18-10d, 1 1/3

2-5/8" BOLTS

18 - 16d

16-16d

12-16d

12-16d

18 - 16d

TO FOUNDATION

1/2" AB

1/2" AB

5/8" AB

5/8" AB

1/2" AB

1/2" AB

2-5/8" AB

ANCHOR TABLE

< 1235

< 1030

< 1705

< 1350

< 2310

< 2775

< 4175

< 1400

< 3335

< 2200

< 2300

< 2320

< 1235

< 1030

< 1705

< 1305

< 2310

< 2570

< 3695

< 1400

< 3335

< 2200

< 2300

< 2320

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" 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: 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" \times 2" \times 9/64"; WITH 5/8" BOLTS TO BE 3" \times 3" \times 9/64"; WITH 3/4" BOLTS TO BE 3" \times 3" \times 9/64"; WITH 7/8" BOLTS TO BE 3" \times 3" \times 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 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

ROOF SYSTEM DESIGN

BEARING LOCATIONS.

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 FRC. 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.

DECIGALDATA

WIND LO	DADS PER FL	ORIE	DA BL	JILDING	CODE 2	2004 RES	SIDENTIA	L, SE	CTIO	N R30	1.2.1
MEAN R	SED SIMPLE COOF HEIGHT ER HALF OF AND UNOBS	r not Hill	OR E	EEDING SCARPI	LEAST MENT 6	HORIZO	DNTAL D	IMEN OFT IN	SION VEXP	OR 60) FT;
BUILDIN	IG IS NOT IN	THE	HIGH	VELOCI	TY HUF	RRICANE	ZONE				
BUILDIN	IG IS NOT IN	THE	WIND	-BORNE	DEBRI	S REGIO	ON				
1.) BA	SIC WIND SP	EED	= 110	0 MPH							
2.) WII	ND EXPOSUR	RE = E	В								
3.) WII	ND IMPORTA	NCE	FACT	OR = 1.	0						
4.) BU	ILDING CATE	GOR	Y = II								
5.) RO	OF ANGLE =	10-4	5 DEC	GREES							
6.) ME	AN ROOF HE	IGHT	= <3	0 FT							
7.) INT	ERNAL PRES	SSUR	RE CO	EFFICIE	NT = N	A (ENCI	OSED B	UILDI	NG)		
	MPONENTS									R301	2(2))
6	2 2						2	19.9	-21.8 -25.5	18.1	-
Z 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2	2 2 2 555	1 2 4	5			2 2 O'hg 3 3 O'hg 4 5 Doors Wor (Zone	19.9 19.9 21.8 21.8 & Wind st Case 5, 10	-25.5 -40.6 -25.5 -68.3 -23.6 -29.1 dows e ft2)	18.1 18.5 18.5 21.8	-21.8 -40.6 -21.8 -42.4 -20.4 -22.6
	LOADS	3 3 55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		5			2 2 O'hg 3 3 O'hg 4 5 Doors Wor (Zone	19.9 19.9 21.8 21.8 & Wind st Case 5, 10	-25.5 -40.6 -25.5 -68.3 -23.6 -29.1 dows e ft2)	18.1 18.5 18.5 21.8	-21.8 -40.6 -21.8 -42.4 -20.4 -22.6
DESIGN FLOOR	LOADS	3 3 5 5 5 5 5 5 5 5	HER	DWELLIN	NG ROO	DMS)	2 2 O'hg 3 3 O'hg 4 5 Doors Wor (Zone	19.9 19.9 21.8 21.8 & Wind st Case 5, 10	-25.5 -40.6 -25.5 -68.3 -23.6 -29.1 dows e ft2)	18.1 18.5 18.5 21.8	-18.1 -21.8 -40.6 -21.8 -42.4 -20.4 -22.6 -29.1

WIND LO	ADS PER FLORIDA	BUILDING COL	DE 2004 RES	IDENTIA	L, SE	СТІО	N R30	1.2.1
MEAN R ON UPP	SED SIMPLE DIAPHI OOF HEIGHT NOT E ER HALF OF HILL OI AND UNOBSTRUCTE	XCEEDING LEAR ESCARPMEN	AST HORIZO IT 60FT IN EX	NTAL D	IMEN OFT IN	SION	OR 60) FT; I
BUILDIN	G IS NOT IN THE HIG	SH VELOCITY H	HURRICANE	ZONE				
BUILDIN	G IS NOT IN THE WI	ND-BORNE DE	BRIS REGIO	N				
1.) BAS	SIC WIND SPEED =	110 MPH						
2.) WI	ND EXPOSURE = B							
3.) WII	ID IMPORTANCE FA	CTOR = 1.0						-
4.) BUI	LDING CATEGORY =	:						
5.) RO	OF ANGLE = 10-45 D	EGREES						
	AN ROOF HEIGHT =	<30 FT						
	ERNAL PRESSURE		= N/A (ENCL	OSED B	UILDI	NG)		
	MPONENTS AND CL					,	R301	.2(2))
. 7				Zone		tive W		
*				1		0 -21.8		100
1	2 2 2			2		-21.8		-18.1
R				2 O'hg	70.0	-40.6	10.1	-40.6
7	2 2 2 1			3	19.9	-25.5	18.1	-21.8
~	4			3 O'hg		-68.3		-42.4
	515			5		-23.6 -29.1	18.5	-20.4
2	34							
/				Doors	& Wind st Cas		21.8	-29.1
(X)	13/11/11				5, 10			-
5	2 3	H		8x7 Gar	age D	100	19.5	-22.9
2	4 /2/	5		16x7 Ga	arage l	Door	18.5	-21.0
	NA NA	4 7						-
	55	(Z+						
	44							
DESIGN	LOADS							
FLOOR	40 PSF (ALL OTHE	R DWELLING F	ROOMS)					
	30 PSF (SLEEPING	ROOMS)						
	30 PSF (ATTICS WI	TH STORAGE)						
	10 PSF (ATTICS WI	THOUT STORA	AGE, <3:12)					
ROOF	20 PSF (FLAT OR	4:12)						
	16 PSF (4:12 TO <1	2:12)						
	12 PSF (12:12 AND	GREATER)						
STAIRS	40 PSF (ONE & TWO	FAMILY DWE	LLINGS)					
SOIL BE	ARING CAPACITY 1	000PSF						

REVISIONS

SOFTEN

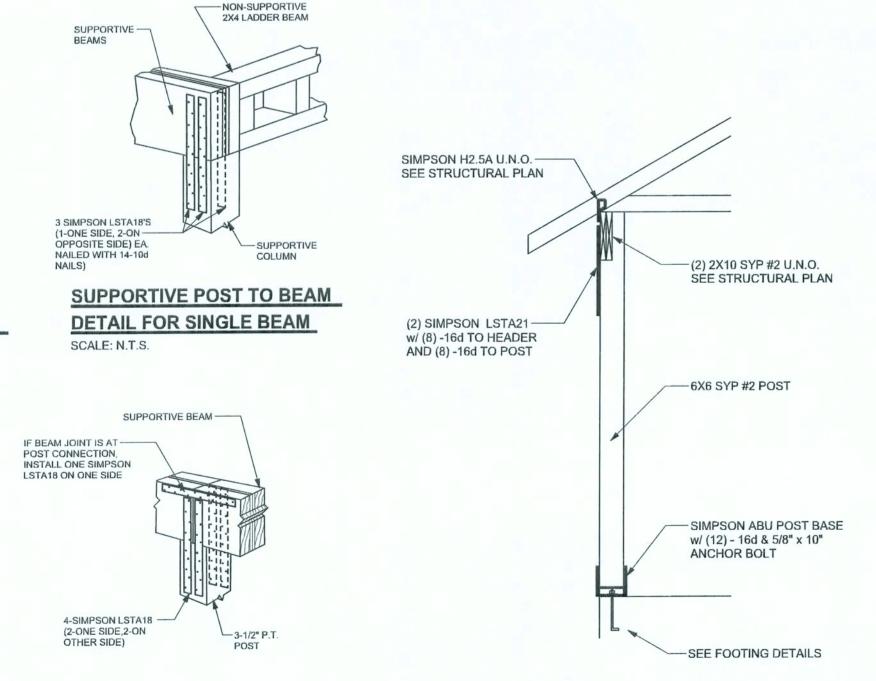
					WIND LOADS PER FLORIDA BUILDING CODE 2004	RESIDENTIAL, SECTION F
	GRAD	E & SPECI	ES TA	ABLE	(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WIT MEAN ROOF HEIGHT NOT EXCEEDING LEAST HO ON UPPER HALF OF HILL OR ESCARPMENT 60FT SLOPE AND UNOBSTRUCTED UPWIND FOR 50x H	RIZONTAL DIMENSION OF IN EXP. B. 30FT IN EXP. C
FOR LESS THAN 1500 Ib UPLIFT USE			Eb (pci)	E (10 ⁶ psi)	BUILDING IS NOT IN THE HIGH VELOCITY HURRIC	ANE ZONE
2 X 2 X 1/8" WASHER			Ln (hai)	E (10 psi)	BUILDING IS NOT IN THE WIND-BORNE DEBRIS RI	EGION
FOR LESS THAN 3750 Ib UPLIFT USE 3 X 3 X 1/8" WASHER	2x8	SYP #2	1200	1.6	1.) BASIC WIND SPEED = 110 MPH	
3 X 3 X 1/8 WASHER	2x10	SYP #2	1050	1.6	2.) WIND EXPOSURE = B	
MAIL SHEATHING TO HEADER AND TOP	2x12	SYP #2	975	1.6	3.) WIND IMPORTANCE FACTOR = 1.0	
PLATE WITH 8d AT 3" O.C. FOR UPLIFT	GLB	24F-V3 SP	2400	1.8	4.) BUILDING CATEGORY = II	
77 424 × 2 4/48 GUN NAU G					5.) ROOF ANGLE = 10-45 DEGREES	
SP4/6 @ 48" O.C. (U.N.O.) (7) .131 x 3 1/4" GUN NAILS TOE NAILED THRU HEADER	LSL	IMBERSTRAND	1700	1.7	6.) MEAN ROOF HEIGHT = <30 FT	
INTO KING STUD	LVL	MICROLAM	2900	2.0	7.) INTERNAL PRESSURE COEFFICIENT = N/A (E	NCLOSED BUILDING)
	PSL	PARALAM	2900	2.0	8.) COMPONENTS AND CLADDING DESIGN WINI	PRESSURES (TABLE R3
PLES IF REQUIRED ONUNDATION 6" EMBEDMENT U.N.O. ACK STUD U.N.O.	ATTACH GARAG EACH SIDE OF I SCREWS w/ 1" W COUNTERSUNK TRANSFER LOA	ARAGE DOOR BU SE DOOR BUCK TO ST SOOOR OPENING WITH VASHER LAG SCREW. HORIZONTAL JAMBS D. CENTER LAG SCRE IAILS OR (2) ROWS OF	"UD PACK A I 3/8"x4" LA S MAY BE S DO NOT EWS OR	AT G	2 2 2 1 2 2 1 5 5 5 5 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	Zone Effective Wind 10 1 19.9 -21.8 18 2 19.9 -25.5 18 2 O'hg -40.6 3 19.9 -25.5 18 3 O'hg -68.3 4 21.8 -23.6 18 5 21.8 -29.1 18 Doors & Windows 21 Worst Case (Zone 5, 10 ft2)

(2) ROWS OF

5" O.C.

4" O.C.

3" O.C.



TYPICAL PORCH POST DETAIL

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.

LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING

-(4)-2x4 SPF #2 NAILED

TOGETHER W/2-16d

BEAM MID-WALL CONNECTION DETAIL

LSTA18 -

NAIL THRU 2x4 INTO

BEAM MAY BE ATTACHED IN EITHER METHOD SHOWN ABOVE

BEAM CORNER CONNECTION. DETAIL

BEAM W/4-16d

SEE STRUCTURAL PLAN

SCALE: N.T.S.

MIN. (SEE STRUCTURAL PLAN)

(2) 2X12 SYP #2 MIN. -

SEE STRUCTURAL PLAN

ALL STUDS TO BE 2x4

CONTINUOUS FRAME TO

SUPPORTIVE CENTER POST TO BEAM DETAIL

CEILING DIAPHRAGM DETAIL

SPF NAILED TO TOP AND BOTTOM PLATES

WITH 2-16d NAILS

SCALE: N.T.S.

(1) 2x6 @ 16" OC

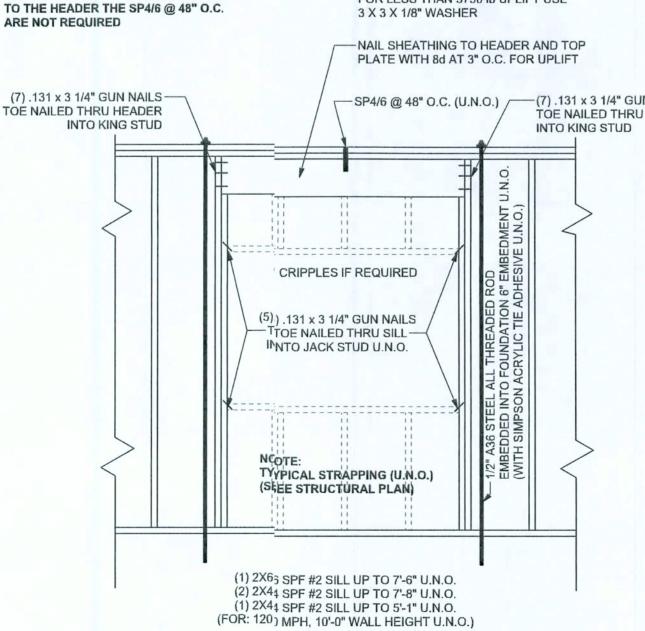
EXAMPLE 16" O.C. x 0.85 = 13.6" O.C.

(2) 2X12 SYP #2 MIN. -SEE STRUCTURAL PLAN

SIMPSON HUS412 MIN.

SCALE: N.T.S.

SEE STRUCTURAL PLAN



IF TRUSS TO WALL STRAPS ARE NAILED

TYPICAL 1 STO)RY HEADER STRAPING DETAIL SCALE: 1/2" = 1'-0"

GARAGE DOOR BUCK INSTALLATION DETAIL

DOOR WIDTH 3/8" x 4" LAG

24" O.C.

18" O.C.

16" O.C.

5" O.C.

4" O.C.

3" O.C.

8' - 10'

11' - 15'

16' - 18'

2x6SYP #2 DOOR BUCK -

BRACKET

Stated dimensions supecede scaled mensions. Refer all questions to Mark Disosway, P.E. forresolution. Do not proceed without:larification OPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. heeby expressly reserve its common law copyrights and property right these instruments of sevice. This document is not to be reproduced, alered or copied in any

PE No.53915, POB 868 Lake City, FL

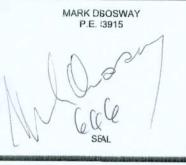
32056, 386-754-5419

mission and consentof Mark Disosway. CERTIFICATION: I hereby certify that I have xamined this plan, andthat the applicable ortions of the plan, relaing to wind engine comply with section R3I1.2.1, Florida Buildin Code 2004 Residntial to the best of my knowledge.

LIMITATION: This design is valid for one

form or manner without irst the express writt

building, at specified location.



BEN MARTIN

LANI III MODEL

SPEC HOUSE

ADIRESS: Lot #16, Rolling Meadows S/D Columbia County, Florida

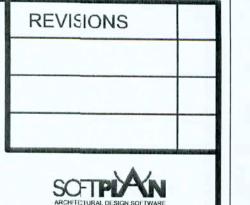
Mark Discsway P.E. P.O. Box 868 Lake City, Florida 32056 Phone: (386) 754 - 5419 Fax: (386)269 - 4871 PRINTED DATE:

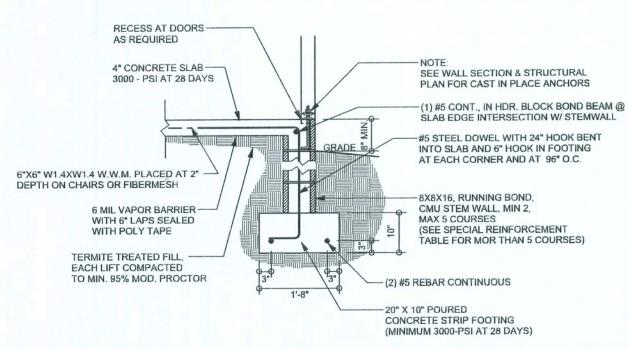
June 05, 2006 DRAWN BY: CHECKED BY: Evan Beamsley

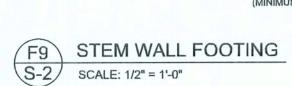
FINALS DATE: 31 / May / 06

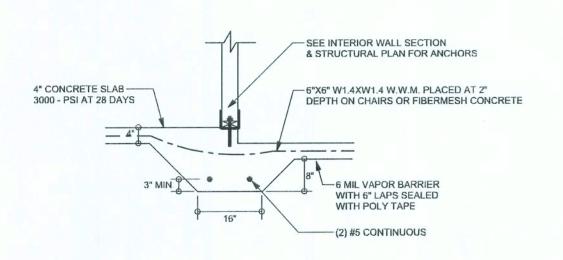
> JOB NUMBER: 601251 DRAWINGNUMBER

> > S-1 OF 6 SHEETS

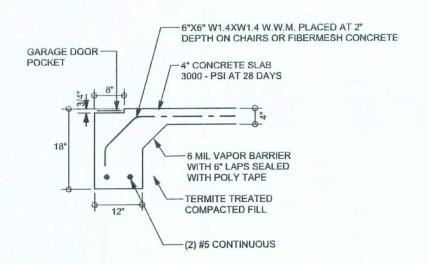




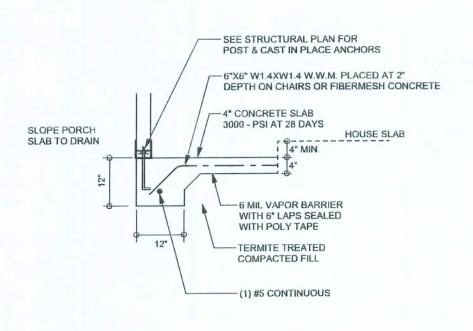




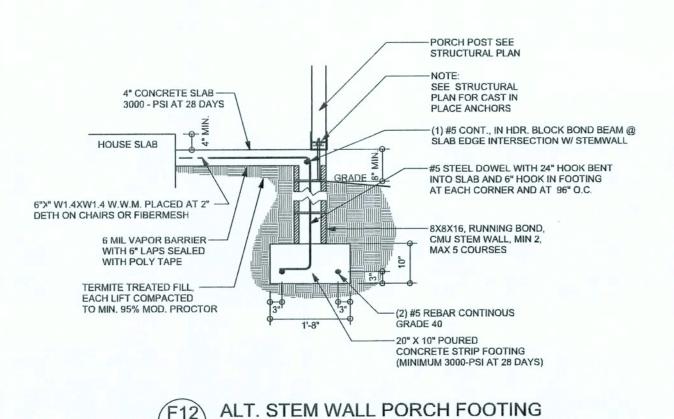
F3 INTERIOR BEARING STEP FOOTING S-2 SCALE: 1/2" = 1'-0"



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



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

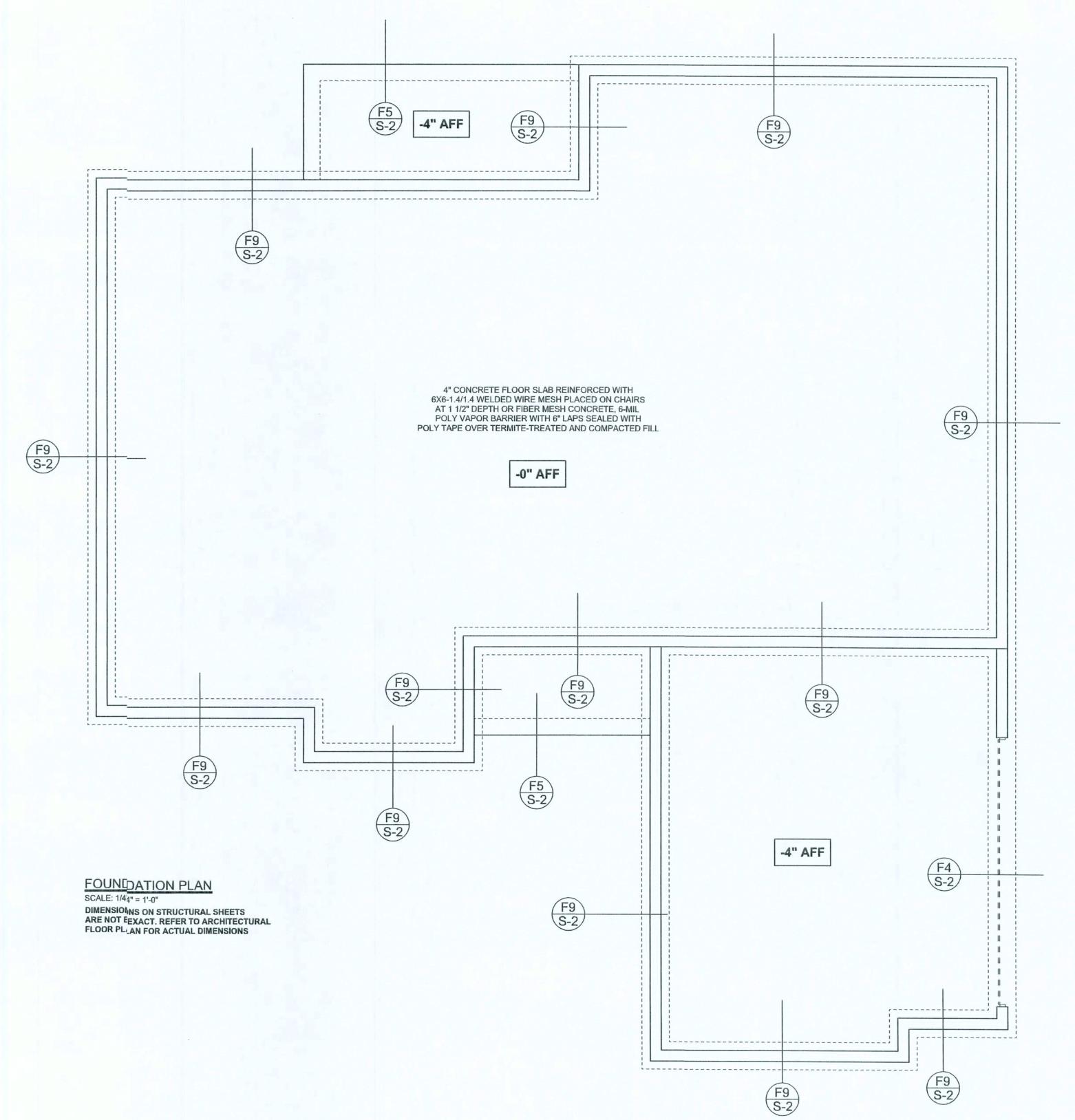


TALL STEM WALL TABLE

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

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.)			ILL FOR 8" CMU STEMWALL FOR 12" CMU STEM					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			



WINDLOAD ENSINEER: Mark Disosway, PE No.53915, PDB 868, Lake City, FL 32056, 386-7545419

DIMENSIONS:

dimensions supercede scaled dimensions. Rebr all questions to Mark Disosway,P.E. for resolution.
Do not proceed vithout clarification.

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CERTIFICATIOI: I hereby certify that I have examined this pan, and that the applicable portions of the pan, relating to wind engineerin comply with secion R301.2.1, Florida Building Code 2004 Resitntial to the best of my knowledge.

permission and onsent of Mark Disosway.

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

MARK DISOSWAY
P.E. 53915

BEN MARTIN

LAN III MODEL SPEC HOUSE

ADDRESS: Lot #16,Rolling Meadows S/D Colunbia County, Florida

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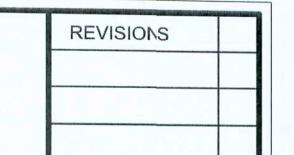
FRINTED DATE:
Jure 05, 2006

DRAWN B*: CHECKED BY:
Evan Beamley

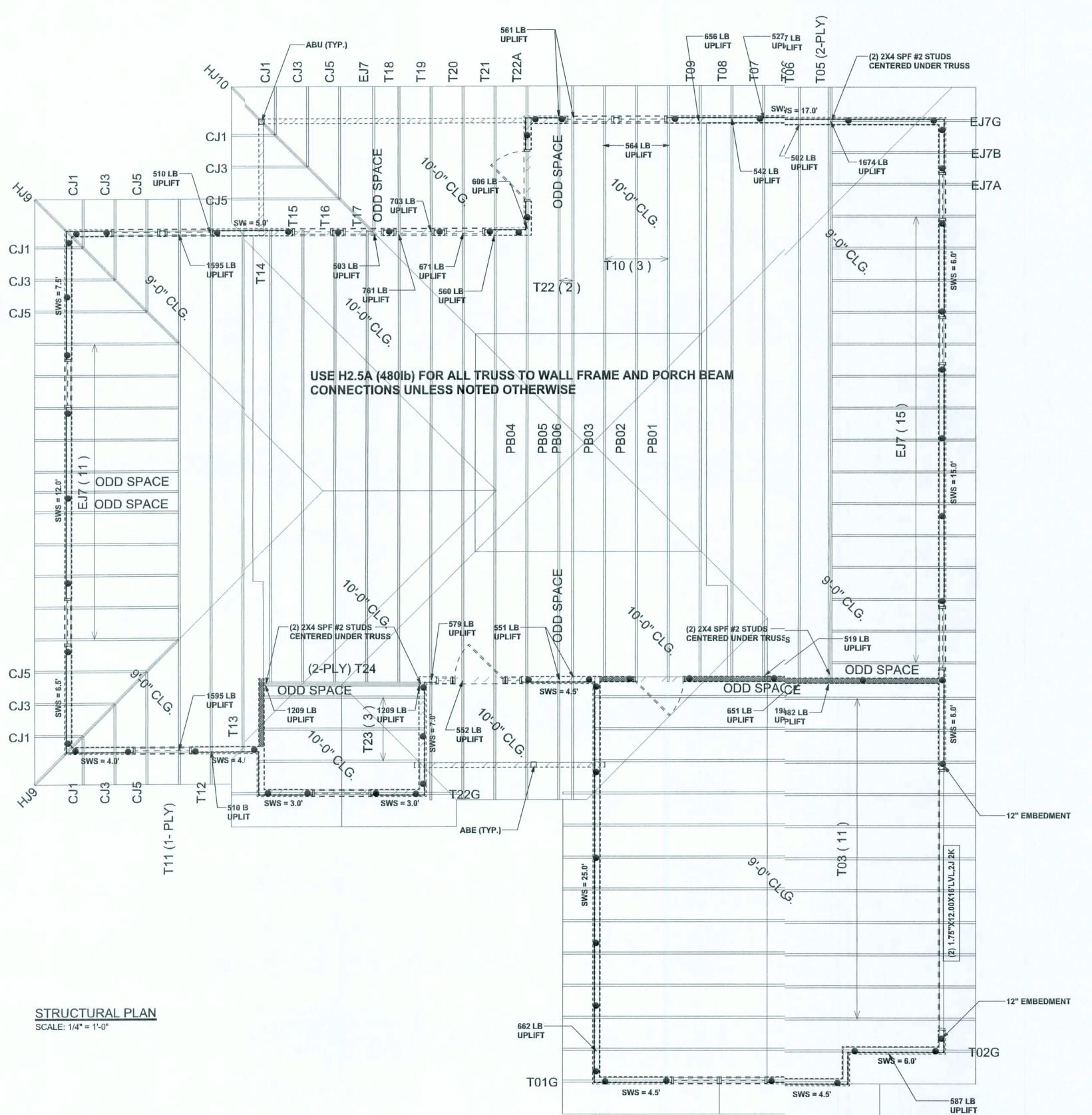
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> JOE NUMBER: 601251 DRAVING NUMBER

> > S-2 OF 6 SHEETS



SOFTPIAN



STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 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

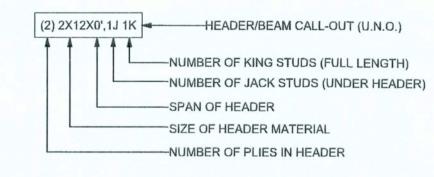
sws = 0.0'	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1
IBW	2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1

THREADED ROD LEGEND

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

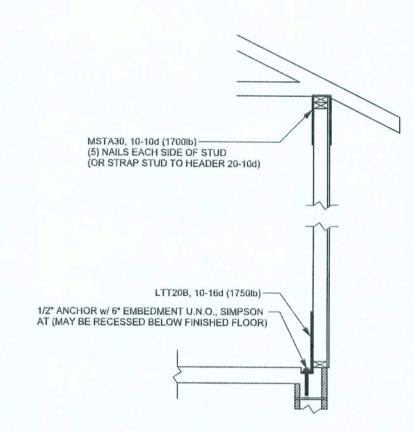
INDICATES LOCATION OF:
2ND FLOOR 1/2" A307 ALL THREADED ROD

HEADER LEGEND



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

REQUIRED ACTUAL
TRANSVERSE 36.8' 85.0'
LONGITUDINAL 34.1' 55.5'



ALTERNATE WALL TIE CONNECTION WHERE
THREADED ROD CANNOT BE PLACED IN WALL.
SCALE: 1/2" = 1'-0"

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

DIMENSIONS:
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permission and consent if Mark Disosway.

CERTIFICATION: I herely certify that I have

examined this plan, and hat the applicable portions of the plan, relang to wind engineering comply with section R30.2.1, Florida Building Code 2004 Residntial to he best of my knowledge.

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

MARK DISOSWAY
P.E. 5:915

BEN MARTIN

LANI IIIMODEL SPEC HOUSE

ADDRESS: Lot #16, Rolling Meadows S/D Columbia County, Florida

Mark Disosway P.E. P.O. Box 868 Lake City, Fbrida 32056 Phone: (386 754 - 5419 Fax: (386) 269 - 4871

PRINTEL DATE:
June 05, 2006

DRAWN BY: CHECKED BY:
Evan Beamsley

FINALS DATE: 31 / May / 06

BASED NEERING

> S-3 OF 6 SHEETS

JOB NUMBER:

601251

DRAWING NUMBER

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE JOB #L165832