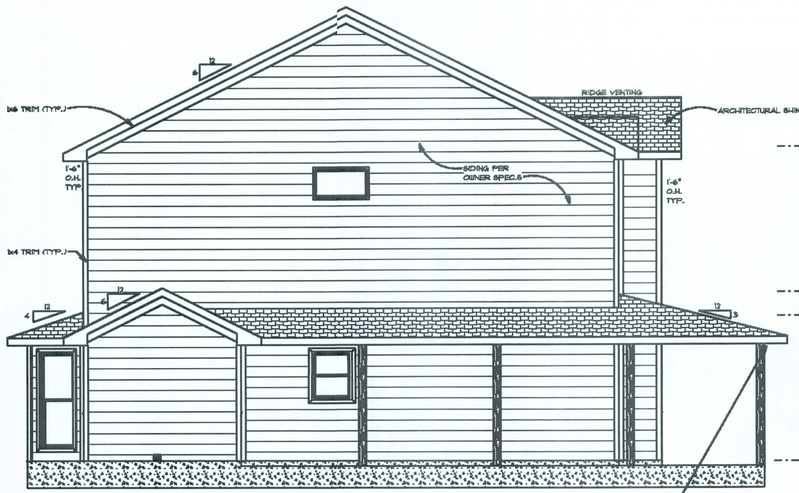
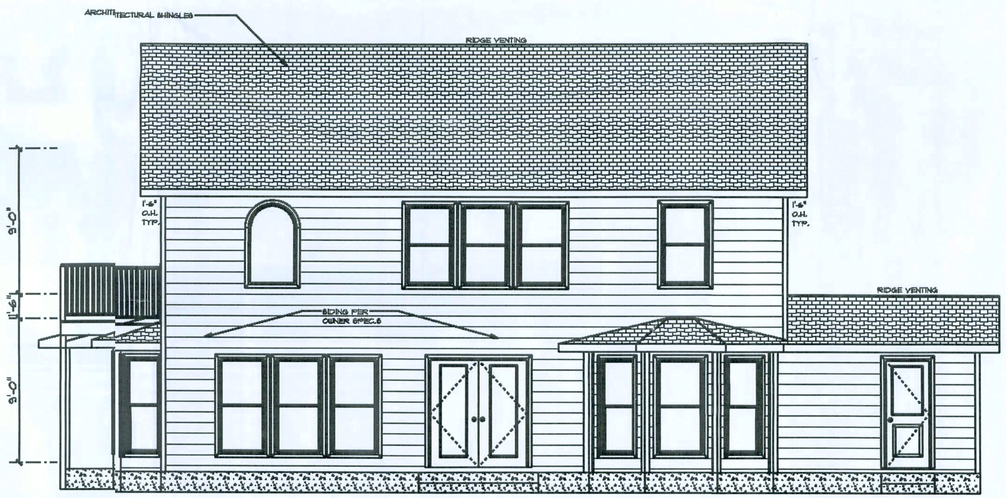


LEFT ELEVATION
SCALE: 1/4" = 1'-0"

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

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



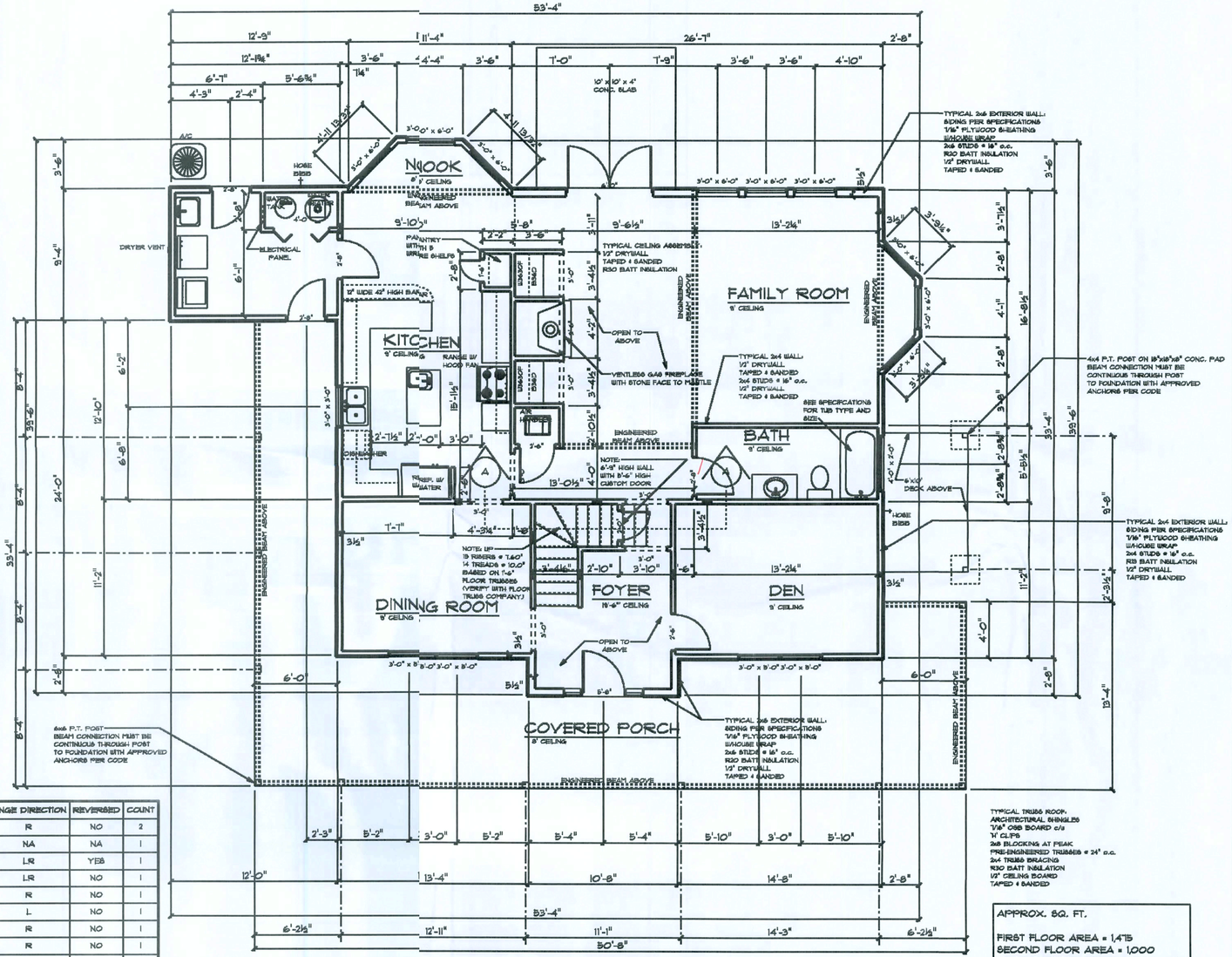
REAR ELEVATION
SCALE: 1/4" = 1'-0"

NO	DATE	REVISION
A	10-26-07	OWNER COMENTS
B	12-21-07	OWNER CHANGES

WHIDDON CONSTRUCTION COMPANY
582 N.E. BROOK LOOP
LAKE CITY, FLORIDA
32055
(386) 754-7967

TONETTI FAMILY RESIDENCE
LAKE CITY, FLORIDA

DATE
10/29/07
DESIGNED BY
R.W
DRAWN BY
R.W
CHECKED BY
R.W
DWG. NO.
A-1
ELEVATIONS



PRODUCT CODE	SIZE	HINGE DIRECTION	REVERSED	COUNT
32X80 COUNTRY DOOR	2'-8"	R	NO	2
68X80 LH ENTRY - 2 SL	5'-8"	NA	NA	1
72X80 FRENCH DOOR	6'-0"	LR	YES	1
48X80 BIFOLD COLONIAL	4'-0"	LR	NO	1
18X80 COLONIAL	1'-6"	R	NO	1
24X66 COLONIAL	2'-0"	L	NO	1
30X80 LOUVER	2'-6"	R	NO	1
32X80 COLONIAL	2'-8"	R	NO	1
32X80 COLONIAL A 1	2'-8"	R	NO	1
30X80 FRENCH	2'-6"	R	NO	1
~~36X60 DOUBLE HUNG~~	~~3'-0" x 5'-0"~~	~~N~~	~~NA~~	~~1~~
36X60 DOUBLE HUNG	3'-0" x 5'-0"	N	NA	4
36X72 DOUBLE HUNG	3'-0" x 6'-0"	N	NA	9
48X24 TRANSOM	4'-0" x 2'-0"	N	NA	1

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

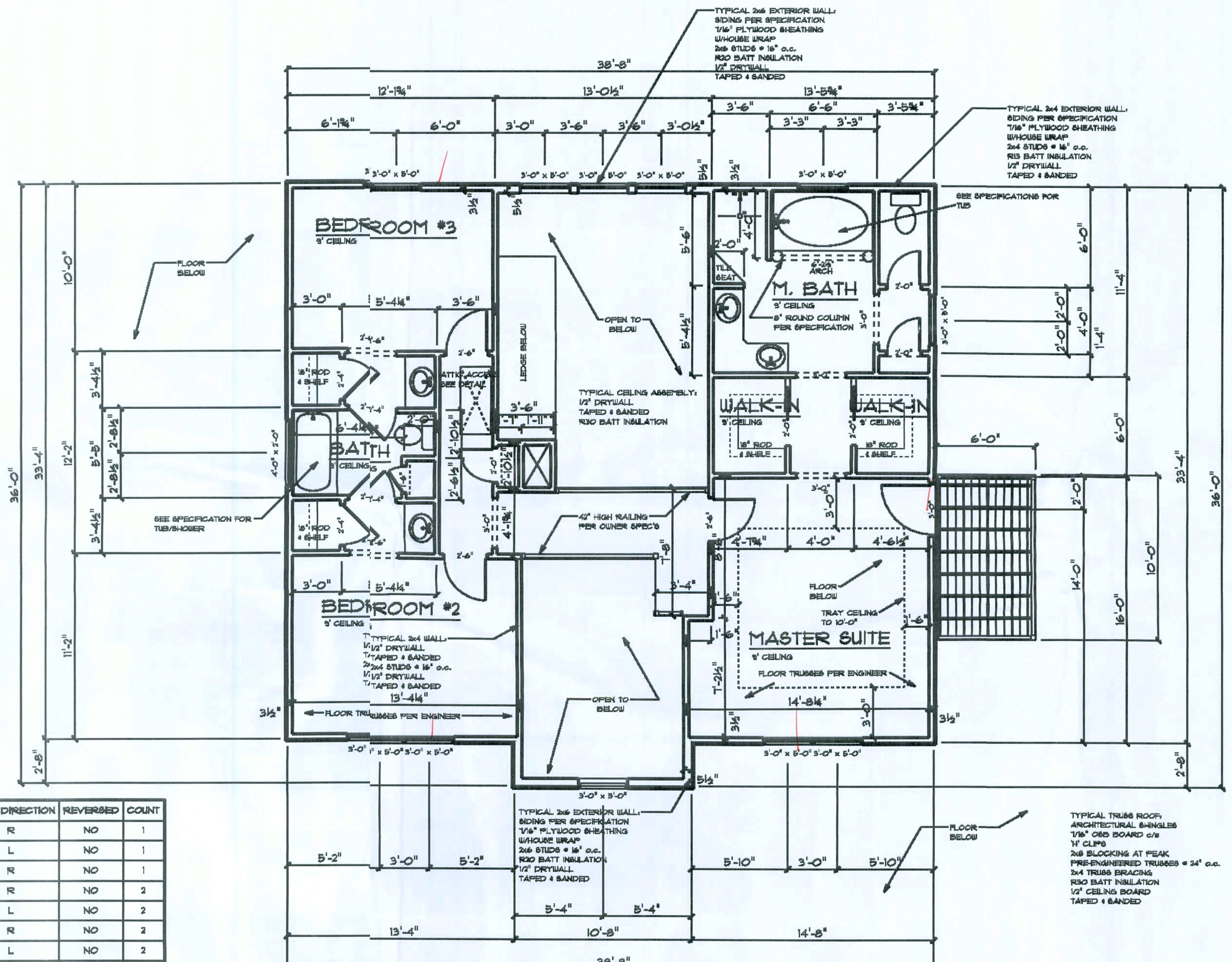
APPROX. SQ. FT.
FIRST FLOOR AREA = 1,475
SECOND FLOOR AREA = 1,000
WRAP-A-ROUND PORCH AREA = 588
HEAT AND AIR AREA = 2,475
TOTAL AREA = 3,063

NO	DATE	REVISION
A	10-29-07	OWNER CONTENTS
B	12-21-07	OWNER CHANGES

WHIDDON CONSTRUCTION COMPANY
382 N.W. BROOK LOOP
LAKE CITY, FLORIDA
32055
(386) 754-1367

TONETTI FAMILY RESIDENCE
LAKE CITY, FLORIDA

DATE
10/29/07
DESIGNED BY
R.W
DRAWN BY
R.W
CHECKED BY
R.W
DWG. NO.
A-3
FIRST FLOOR PLAN



2ND FLOOR PLAN

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

PRODUCT CODE	SIZE	HINGE DIRECTION	REVERSED	COUNT
36X80 FRNCH	3'-0"	R	NO	1
18X80 CCONIAL	1'-6"	L	NO	1
24X80 CCONIAL	2'-0"	R	NO	1
24X80 CCONIAL A 1	2'-0"	R	NO	2
28X80 CCONIAL	2'-4"	L	NO	2
28X80 CCONIAL	2'-4"	R	NO	2
30X80 CLONIAL	2'-6"	L	NO	2
30X80 CLONIAL	2'-6"	R	NO	1
24X80 CCONIAL POCKET	2'-0"	N	NO	2
36X60 DUBLE HUNG	3'-0" x 5'-0"	N	NA	8
36X60 DUBLE HUNG 1	3'-0" x 5'-0"	N	NA	1
36X60 AC TOP	3'-0" x 5'-0"	N	NA	1
36X60 RND TOP	3'-0" x 5'-0"	N	NA	1
48X24 TRNSOM	4'-0" x 2'-0"	N	NA	1

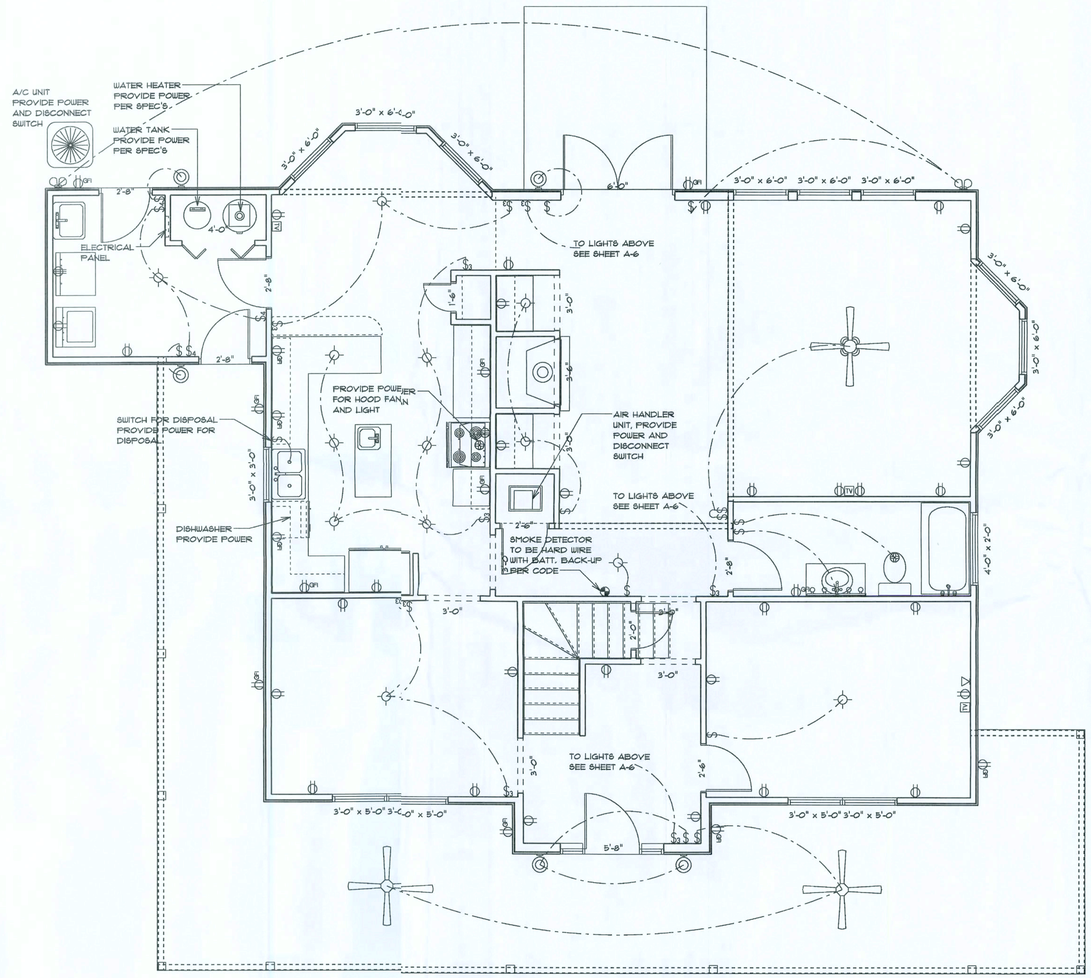
NO	DATE	REVISION
A	10-29-07	OWNER COMENTS
B	12-21-07	OWNER CHANGES

WHIDDON CONSTRUCTION COMPANY
562 N.W. BROOK LOOP
LAKE CITY, FLORIDA
32055
(386) 754-7361

TONETTI FAMILY RESIDENCE
LAKE CITY, FLORIDA

DATE 10/29/07
DESIGNED BY R.W
DRAWN BY R.W
CHECKED BY R.W
DWG. NO. A-4
SECOND FLOOR PLAN

ELECRICAL	COUNT	SYMBOL
ceiling fan	2	
ceiling fanspotlights 2	1	
exterior liht 5	5	
double eptlight	2	
vanity barlight	1	
electrical panel	1	
cable tv otlet	3	
fan	2	
light	13	
outlet	30	
outlet 220	2	
outlet gfi	14	
smoke dsictor	1	
switch	14	
switch 3 wy	9	
switch 4 wy	3	
telephone	1	



FIRST FLOOR ELECTRICAL PLAN

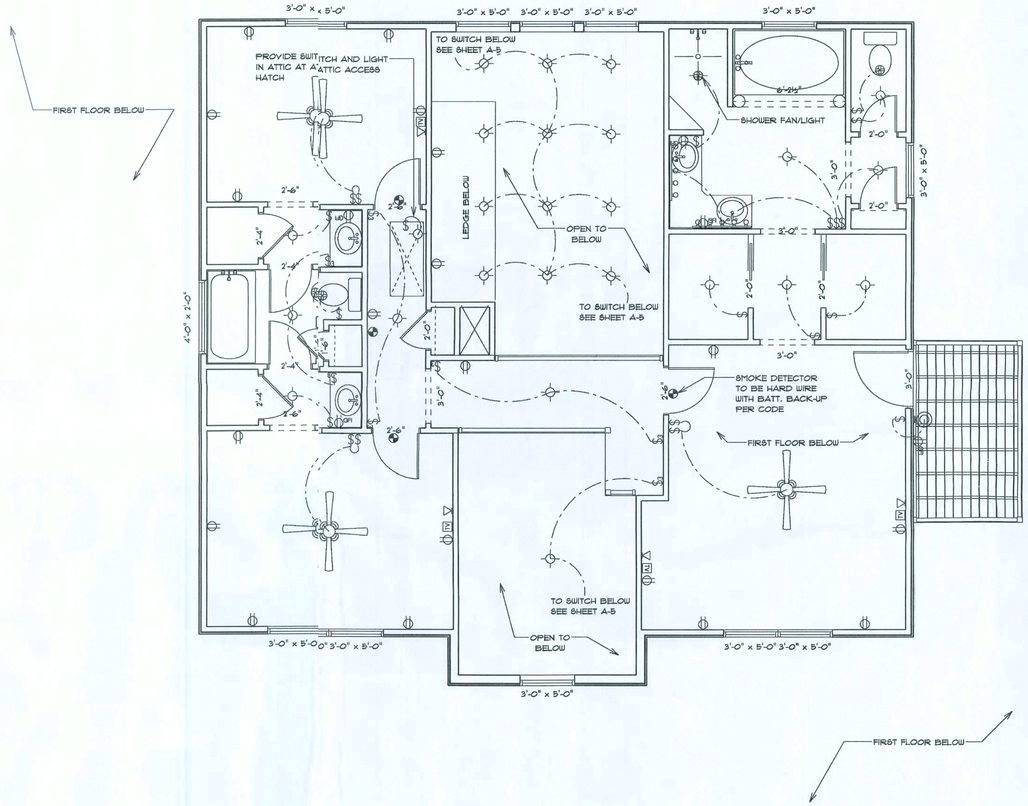
SCALE: 1/4" = 1'-0"

NO	DATE	REVISION
A	10-29-07	OWNER COMENTS
B	12-20-07	OWNER CHANGES

WHIDDON CONSTRUCTION COMPANY
582 N.W. BROOK LOOP
LAKE CITY, FLORIDA
32055
(386) 754-7367

TONETTI FAMILY RESIDENCE
LAKE CITY, FLORIDA

DATE
10/29/07
DESIGNED BY
R.W
DRAWN BY
R.W
CHECKED BY
R.W
DWG. NO.
A-5
FIRST FLOOR ELECTRICAL PLAN



ELCTRICAL	COUNT	SYMBOL
ceiling an spotlights 2	3	
exterior light 5	1	
vanity br light	2	
cable t outlet	4	
fan	3	
light	26	
outlet	19	
outlet gf	5	
smoke stector	4	
switch	20	
switch 3way	7	
telephone	4	

SECOND FLOOR ELECTRICAL PLAN

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

NO	DATE	REVISION
A	10-29-07	OWNER COMENTS
B	12-21-07	OWNER CHANGES

WHIDDON CONSTRUCTION COMPANY
582 N.W. BROOK LOOP
LAKE CITY, FLORIDA
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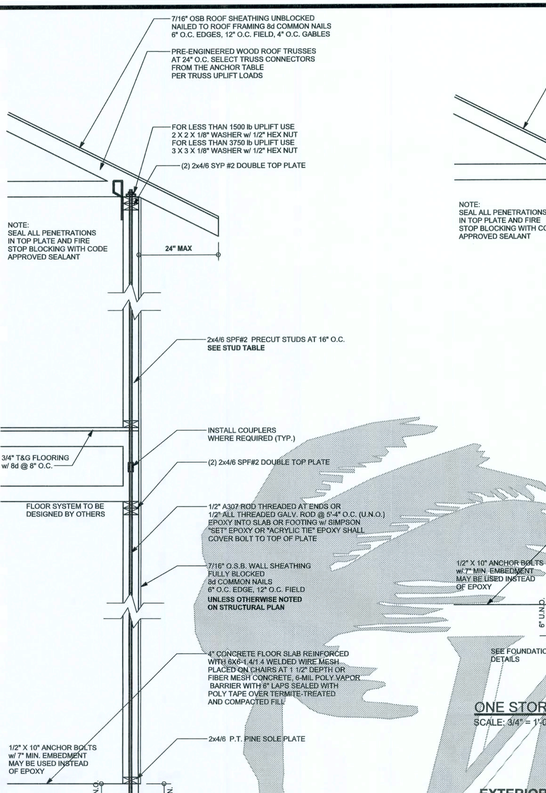
(386) 754-1367

TONETTI FAMILY RESIDENCE
LAKE CITY, FLORIDA

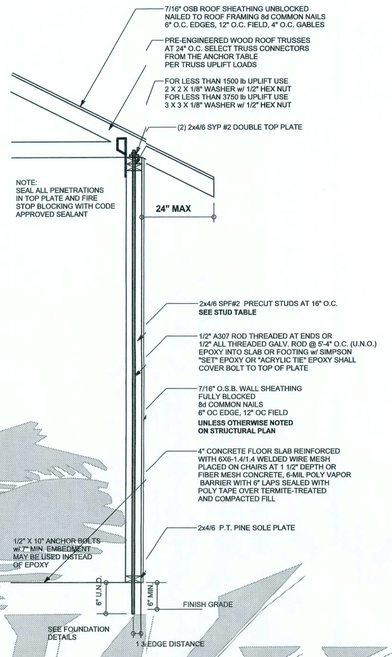
DATE
10/29/07
DESIGNED BY
R.W
DRAWN BY
R.W
CHECKED BY
R.W
DWG. NO.
A-6

SECOND FLOOR ELECTRICAL PLAN



TWO STORY WALL SECTION

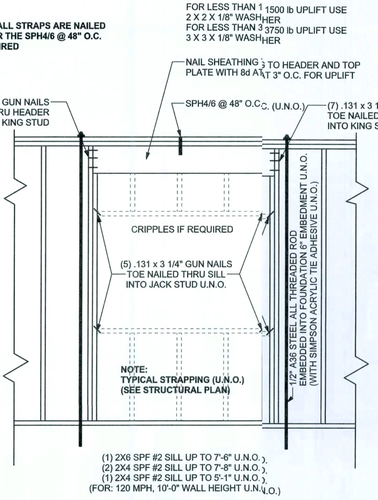
SCALE: 3/4" = 1'-0"



ONE STORY WAL SECTION

SCALE: 3/4" = 1'-0"

NOTE:
IF TRUSS TO WALL STRAPS ARE NAILED TO THE HEADER THE SPH4/6 @ 48" O.C. ARE NOT REQUIRED



TYPICAL 1 STORY HEADER STRAPPING DETAIL

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

EXTERIOR WALLSTUD 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 HEIHT TABLE IS PER WFCM 2001, TABLE 3.20B, EXTERIOR LOABEARING & NON LOAD BEARING STUD LENGTHS RESISTING INTIOR ZONE WINDLOADS 110 MPH EXPOSURE B. STUD SPACINGSHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOCATED WITH 4 FEET OF CORNERS FOR END ZONE LOADING. EXAMPLE 16" C. x 0.85 = 13.6" O.C.

ANCHOR TABLE

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	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			
< 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	LTT31	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

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; 2X6 RAFTERS 706 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 315-06, 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"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 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 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 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.

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

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

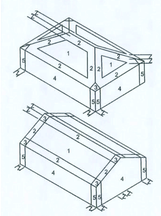
4.) BUILDING CATEGORY = II

5.) ROOF ANGLE = 10-45 DEGREES

6.) MEAN ROOF HEIGHT = <30 FT

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

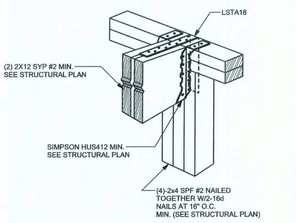
8.) COMPONENTS AND CLADDING DESIGN WIND PRESSURES (TABLE R301.2(2))



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 O'hg		-40.6		-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 Worst Case (Zone 5, 10 ft2)		21.8		-29.1
8x7 Garage Door		19.5		-22.9
16x7 Garage Door		18.5		-21.0

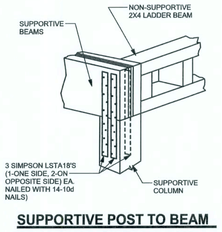
DESIGN LOADS

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)



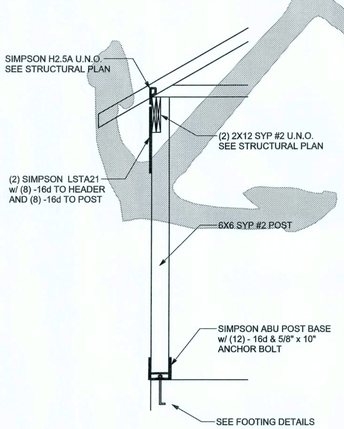
BEAM MID-WALL CONNECTION DETAIL

SCALE: N.T.S.



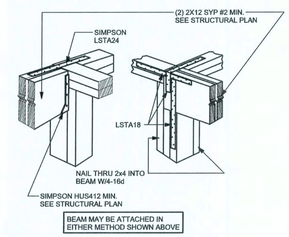
SUPPORTIVE POST TO BEAM DETAIL FOR SINGLE BEAM

SCALE: N.T.S.



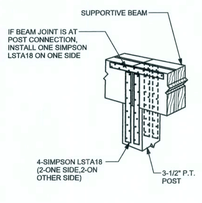
PORCH POST DETAIL

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



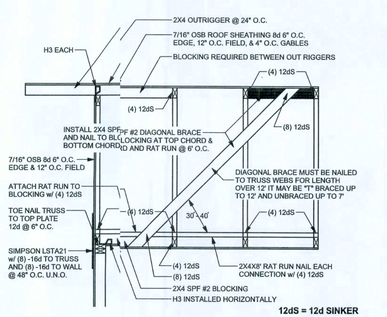
BEAM CORNER CONNECTION. DETAIL

SCALE: N.T.S.



SUPPORTIVE CENTER POST TO BEAM DETAI

SCALE: N.T.S.

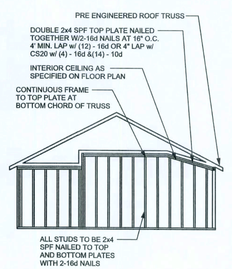


12dS = 12d SINKER OR .135" X 3.125" OR .131 X 3.25"

SPACE E RAT RUN & DIAGONAL BRACE 6'-0" O.C. FOR GABLE HEIGHT UP TO 25'-0" 110 MPH, EXP. C, ENCLOSED

GABBLE BRACING DETAIL

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



CONTINUOUS FRAME TO CEILING DIAPHRAGM DETAIL

SCALE: N.T.S.

REVISIONS		

SOFTPLAN ARCHITECTURAL DESIGN OFFWARE

WINDLOAD ENGINEER: Mar Discoway, PE No.53915, POB 868, LakeCity, FL 32056, 386-754-5419

DIMENSIONS: Stated dimensions supercede scaled dimensions. Refer all question to Mark Discoway, P.E. for resoltion. Do not proceed without clarifiction.

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CERTIFICATION: I hereby ceify that I have examined this plan, and that its applicable portions of the plan, relating towind engineering comply wih section R301.2.1,florida building code residential 2004, to the best of my knowledge.

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

MARK DISOSWAY P.E. 53915

10 APR 08

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PRINTED DATE: January 10, 2008

DRAWN BY: David Disosway

CHECKED BY:

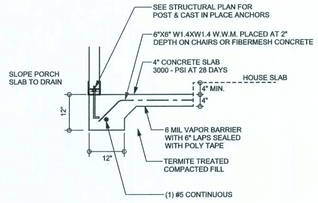
FINALS DATE: 10 / Jan / 08

JOB NUMBER: 80109

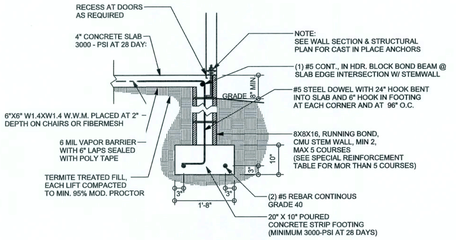
DRAWING NUMBER

S-1

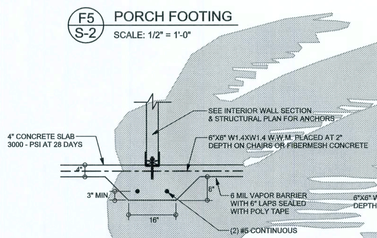
OF 4 SHEETS



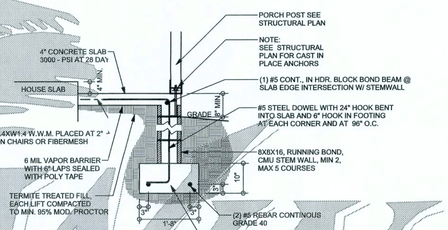
F5 S-2 PORCH FOOTING
SCALE: 1/2" = 1'-0"



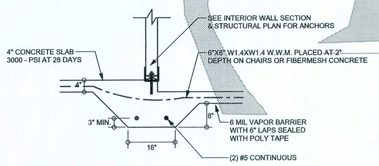
F9 S-2 TEM WALL FOOTING
CALE: 1/2" = 1'-0"



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



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

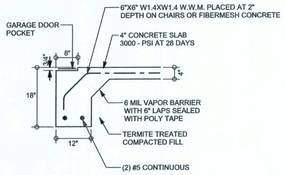


F3 S-2 INTERIOR BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"

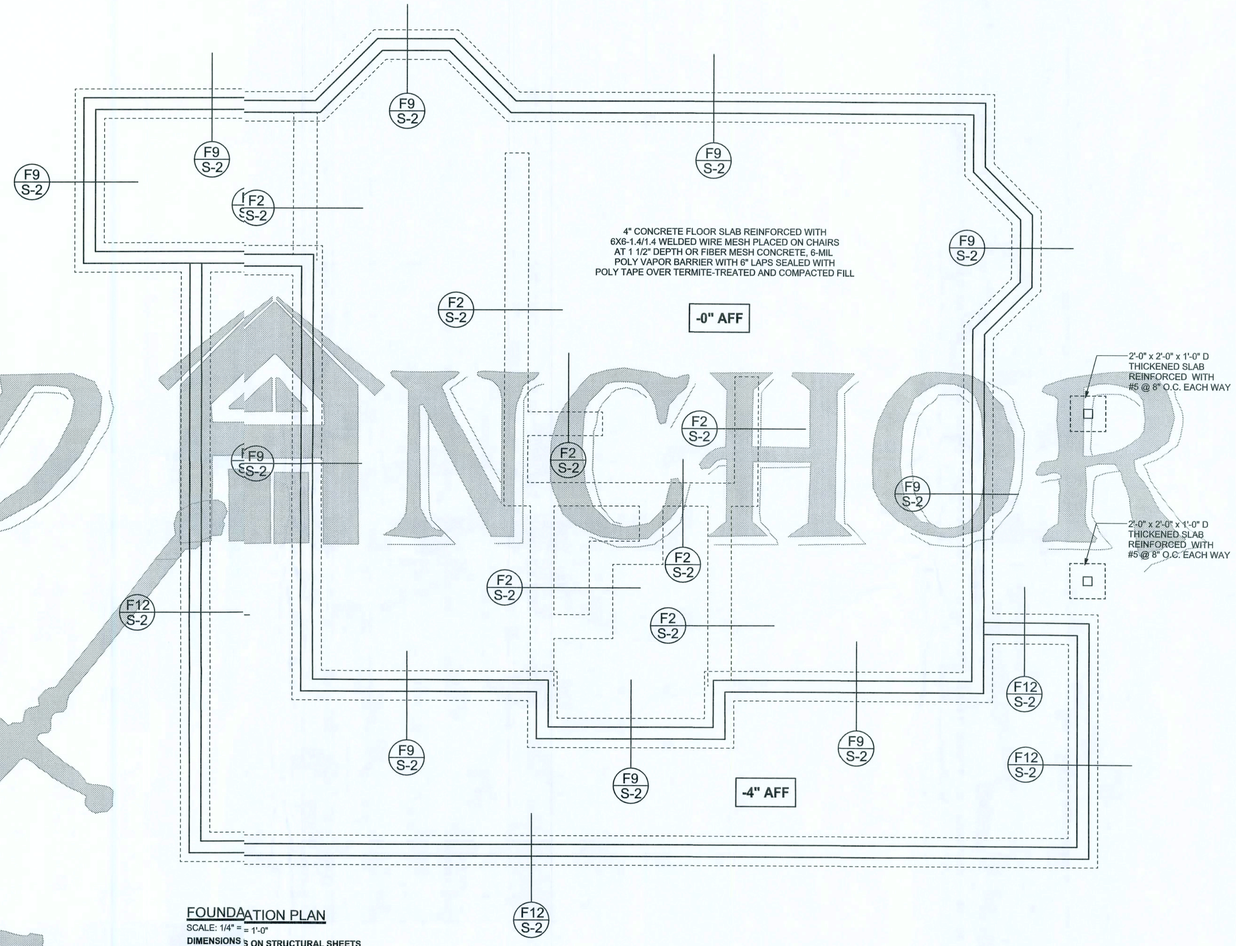
TALL STEI WALL TABLE

The table assumes 60ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the t. The vertical steel is to be placed toward the tension side of the CMU wall (away from s soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Duxell ladder reinforcement at 16"OC vertically or a horizontal bond beam with 1#5 continus at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as own in the table below.

STEMWALL HEIGHT (FEET)	UNBALICED BACILL HEIHT	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	96	96	96	96	96	96
4.0	3	96	96	96	96	96	96
4.7	4	88	96	96	96	96	96
5.3	5	56	96	96	96	96	96
6.0	5	40	80	96	80	96	96
6.7	6	32	56	80	56	96	96
7.3	7	24	40	56	40	80	96
8.0	7	16	32	48	32	64	80
8.7	8	8	24	32	24	48	64
9.3	9	8	16	24	16	40	48



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



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

DIMENSIONS S ON STRUCTURAL SHEETS ARE NOT EXA ACT. REFER TO ARCHITECTURAL FLOOR PLAN N FOR ACTUAL DIMENSIONS

REVISIONS

SOFTPLAN ARCHITECTURAL DESIA SOFTWARE

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

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

CERTIFICATION: I hereb certify that I have examined this plan, and tht the applicable portions of the plan, relatis to wind engineering comply with section R301.1, florida building code residential 2004, to tle best of my knowledge.

LIMITATION: This design i valid for one building, at specified locatin.

MARK DISOSWAY P.E. 5385

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PRINTED IATE: January 10 2008

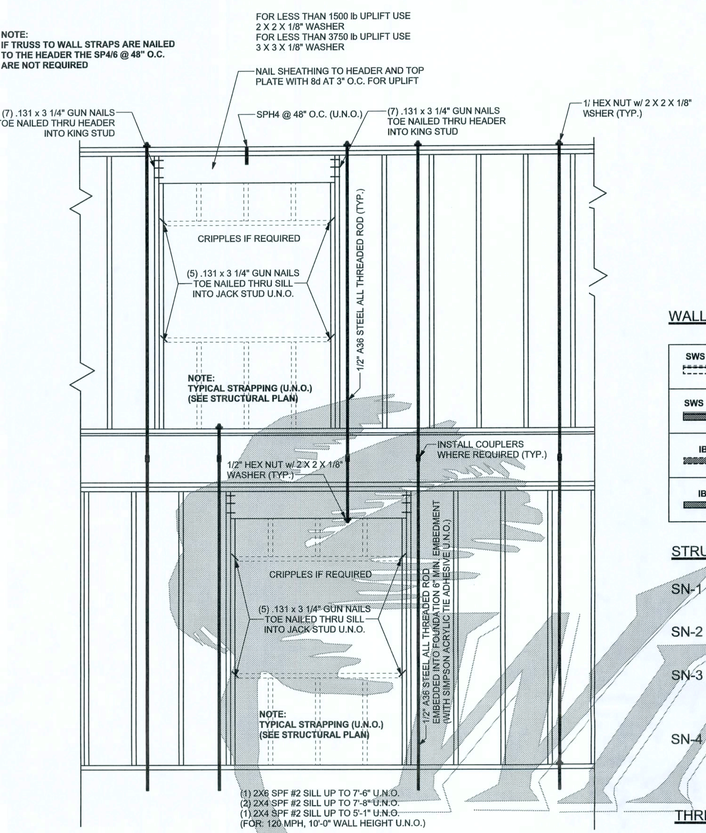
DRAWN BY: David Disosway | CHECKED BY:

FINALS DATE: 10 / Jan / 08

JOB NUMBER: 801091

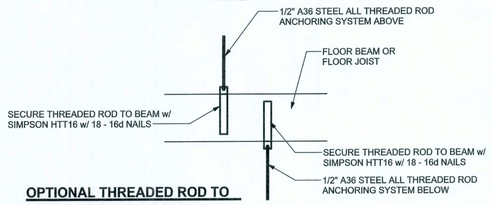
DRAWING NUMBER
S-2
OF 4 SHEETS

NOTE:
IF TRUSS TO WALL STRAPS ARE NAILED TO THE HEADER THE SP4/6 @ 48" O.C. ARE NOT REQUIRED



TYPICAL 2 STORY HEADER STRAPING DETAIL

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



OPTIONAL THREADED ROD TO FLOOR BEAM OR FLOOR JOIST

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

WALL LEGEND

SWS = 0.0'	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS
IBW	2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS

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

SN-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

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

1ST FLOOR TOTAL SHEAR WALL SEGMENTS

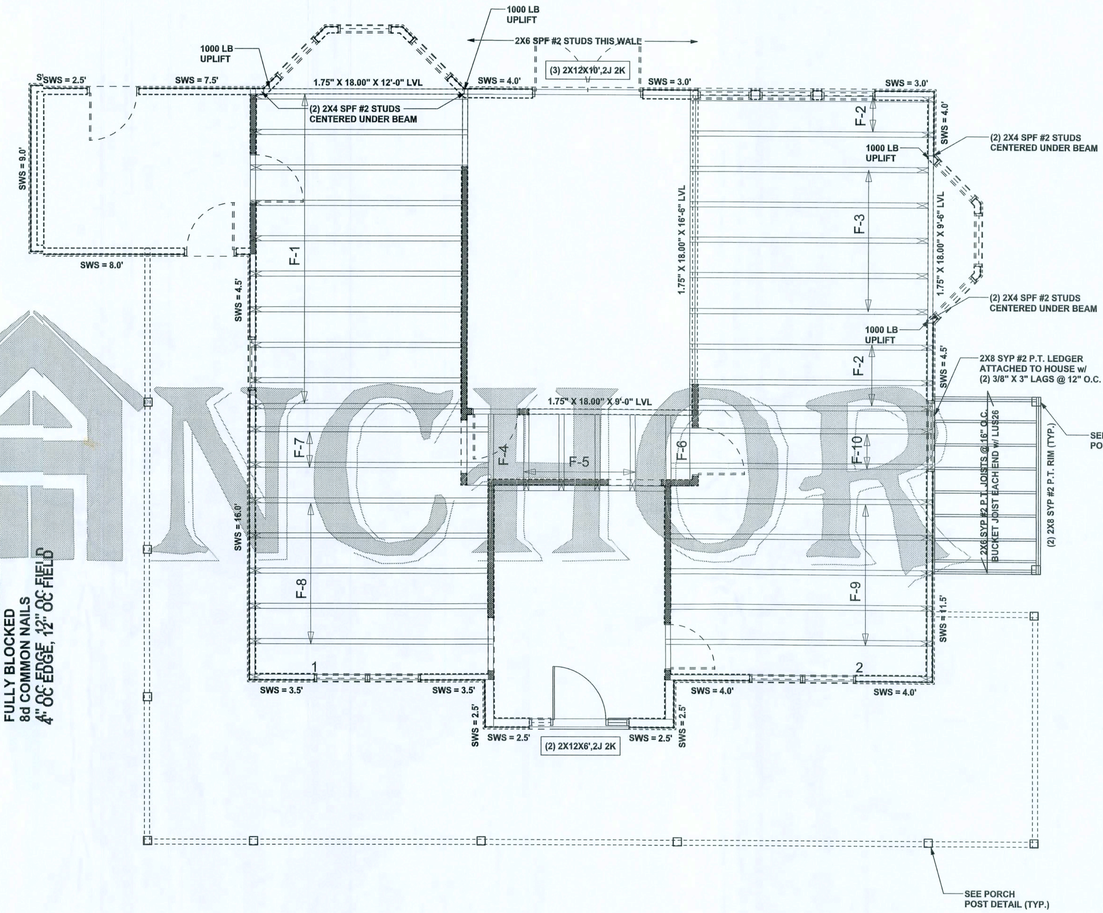
SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	46.7'	54.5'
LONGITUDINAL	39.7'	58.0'

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

(TRANSVERSE ONLY)
7/16" O.S.B. WALL SHEATHING
FULLY BLOCKED
8d COMMON NAILS
4" OC EDGE, 12" OC FIELD



STRUCTURAL FLOOR PLAN

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

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. W.B. HOWLANDS JOB # 5147

REVISIONS

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

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

MARK DISOSWAY P.E. 53915

10 JAN 08

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PRINTED DATE: January 10, 2008

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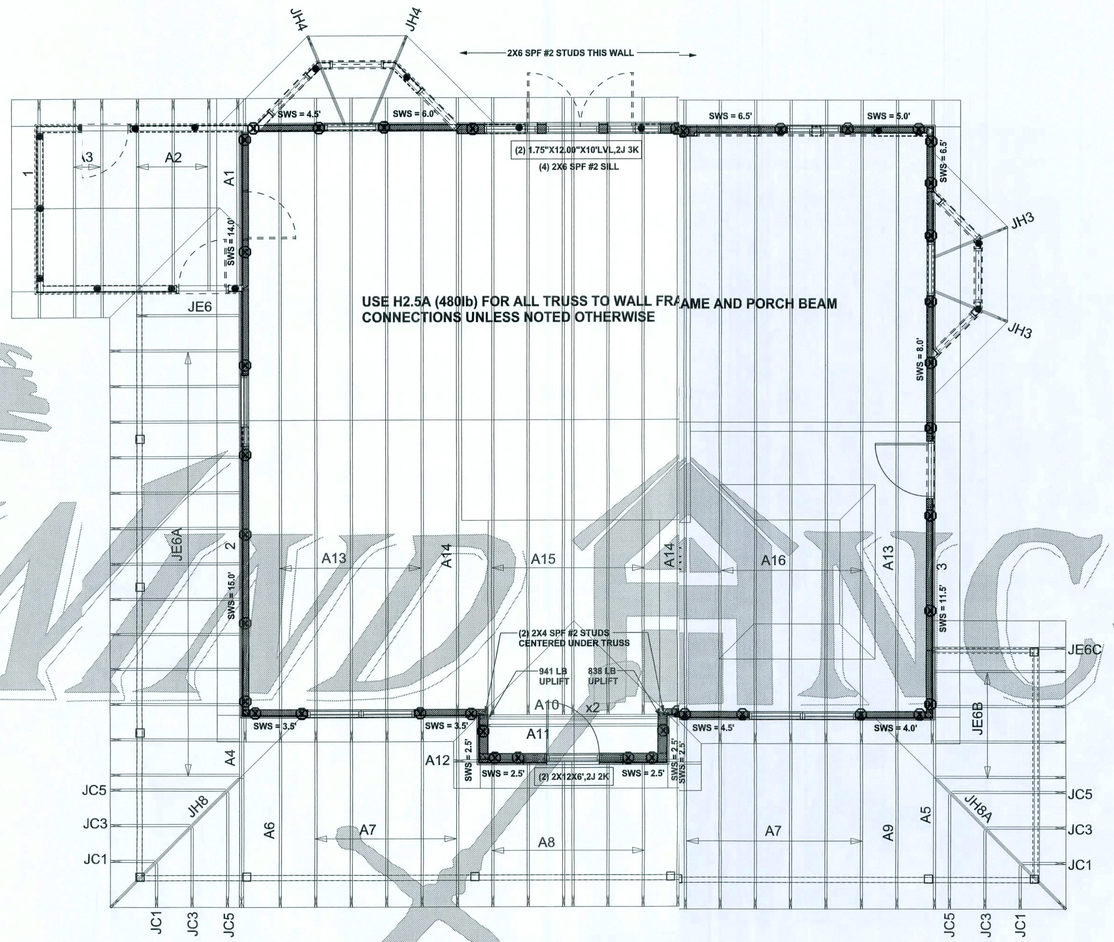
CHECKID BY:

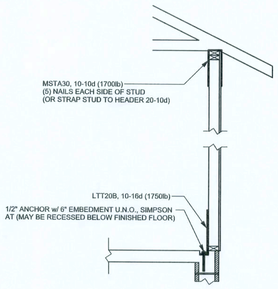
FINALS DATE: 10 / Jan / 08

JOB NUMBER: 801091

DRAWING NUMBER **S-3**

OF 4 SHEETS





ALTERNATE WALL TIE CONNECTION WHERE THREADED ROD CANNOT BE PLACED IN WALL.

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

STRUCTURAL ROOF PLAN

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

STRUCTURAL PLAN NOTES

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SWS = 0.0'	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS
IBW	2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS

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

2ND FLOOR TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	26.8'	60.0'
LONGITUDINAL	22.8'	42.5'

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

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. W.B. HOWLANDS JOB # 5147

REVISIONS

SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

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

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P.E. 53915

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CHICKED BY:

FINALS DATE:
10 / Jan / 08

JOB NUMBER:
801091

DRAWING NUMBER
S-4
OF 4 SHEETS