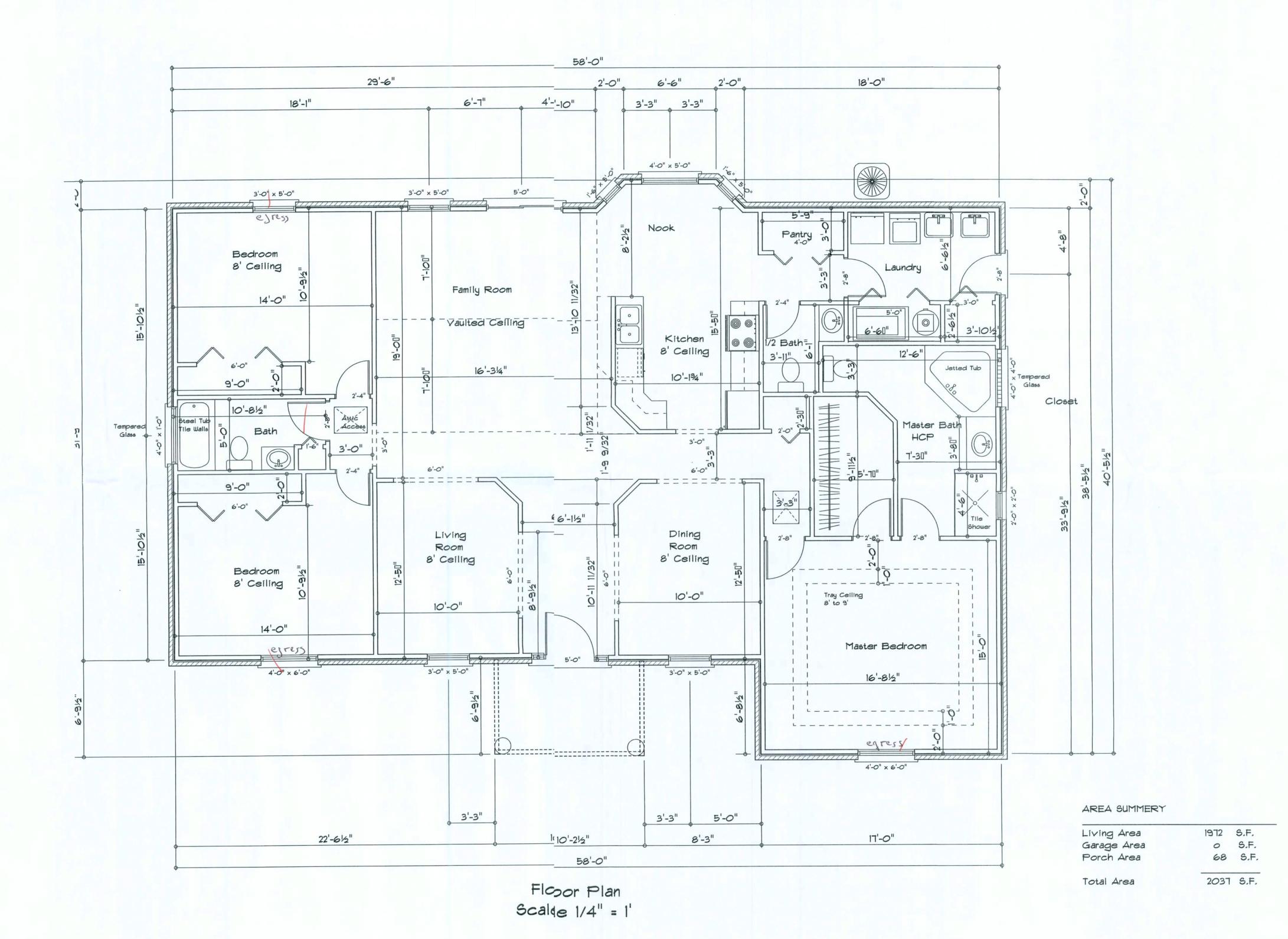
REVISIONS

SOFTPIXAN ARCHITECTRAL DESIGN SOFTWARE



<u>RESIDENCE</u>

Card Montique 122NW Montique Ct. Lakı City, FL 32055

ADDRESS: Columlia County, Florida

WoodmanPark Builders, Inc. Lak∈City, Florida Phone: 386) 755 - 2411 Fax: (386) 755-8684 Email:

PRINTED DATE:

DRAWN BY CHECKED BY:

Mark Haddo:

JOE NUMBER:

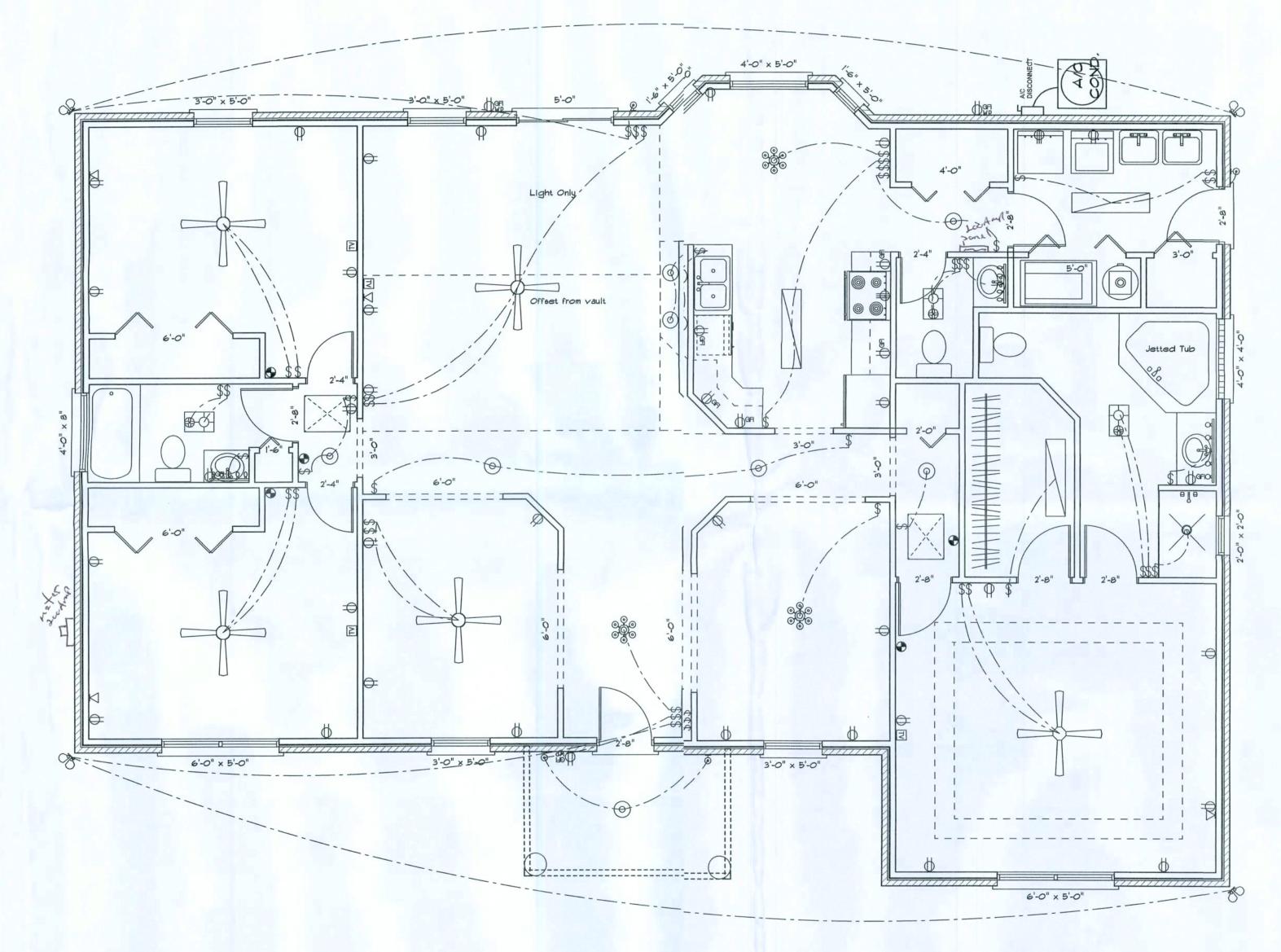
DRAVING NUMBER

A-1

SOFTPLAN ARCHITECTIVAL DESIGN SOFTWARE

Electrical Plan Notes:

- E-1 Wire all appliances, HVAC units and other equiptment per manufactures specifications.
- E-2 Consult the owner for the number or seperate telephone lines to be installed. Owner is responsible for all overages not noted on plan.
- E-3 All installations shall be per national code.
- E-4 All smoke detectors shall be 120v with battery back-up 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 owners directions and in accordance with applicable sections of the National Electric Codes latest edition. Owner is responsible for all overages not noted on plan.
- E-6 Electrical contractor shall be responssible for the design and sizing of electrical service and circuits.
- E-7 Entry of service (underground or overhead) to to be determined by contractor agreement.
- E-8 All bedroom receptacles shall be AFCI (arc fault circuit interrupter).
- E-9 All outlets to be located above base flood elevation.
- E-10 All exterior GFI outlets shall be weatherproof.
- E-II Overcurrent Protection device shall be installed on the exterior ofstructures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equiptment ground.



Electrical Folan

ELECTRICAL	SYMBOL
ceiling fan	
ceiling fan globe 1	
ceiling globe light	<b>(a)</b>
chandelier	<u> </u>
double spotlight	QD
fluorescent fixture	
pot light	0
vanity bar light	<u> </u>
wall sconce	<u>©</u>
AC Disconnect	DISCONNECT A/Q
Outlet WP GFI	₩p
cable tv outlet	īν
fan	₩
light	<b>\( \rightarrow\)</b>
outlet	Ф
outlet 220v	<b>#</b>
outlet gfi	<del>—</del>
smoke detector	•
switch	\$
telephone	$\nabla$

RESIDENCE

Carol Montque 122 NW Montique Ct. Lake City, IL 32055

APDRESS:

APDRESS: ColumbiaCounty, Florida

Voodman Park Builders, Ind Lake ¢ity, Florida Phone: (336) 755 - 2411 Fax: (386) 755-8684 Email:

PRINTED DATE:

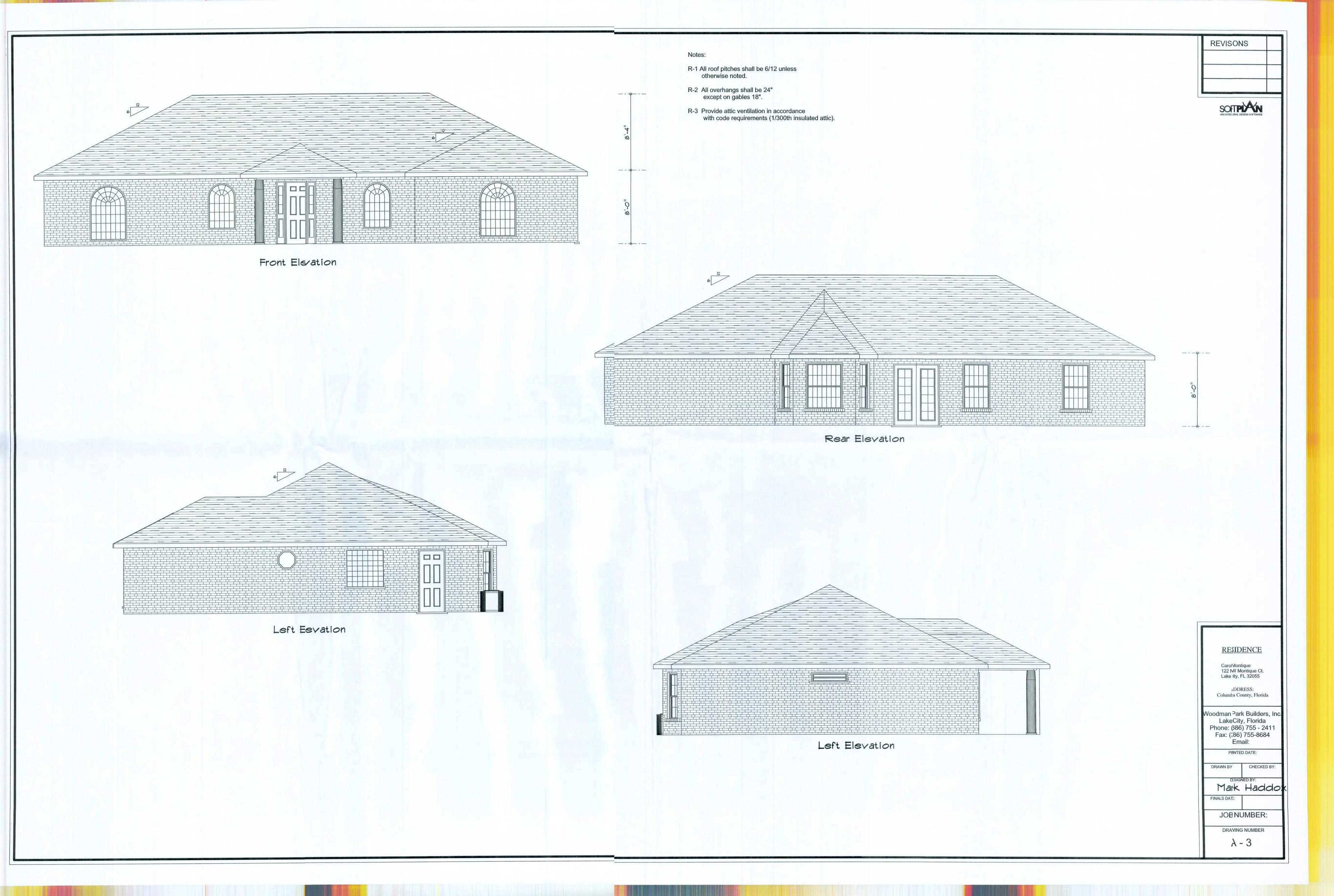
BY: CHECKED BY:

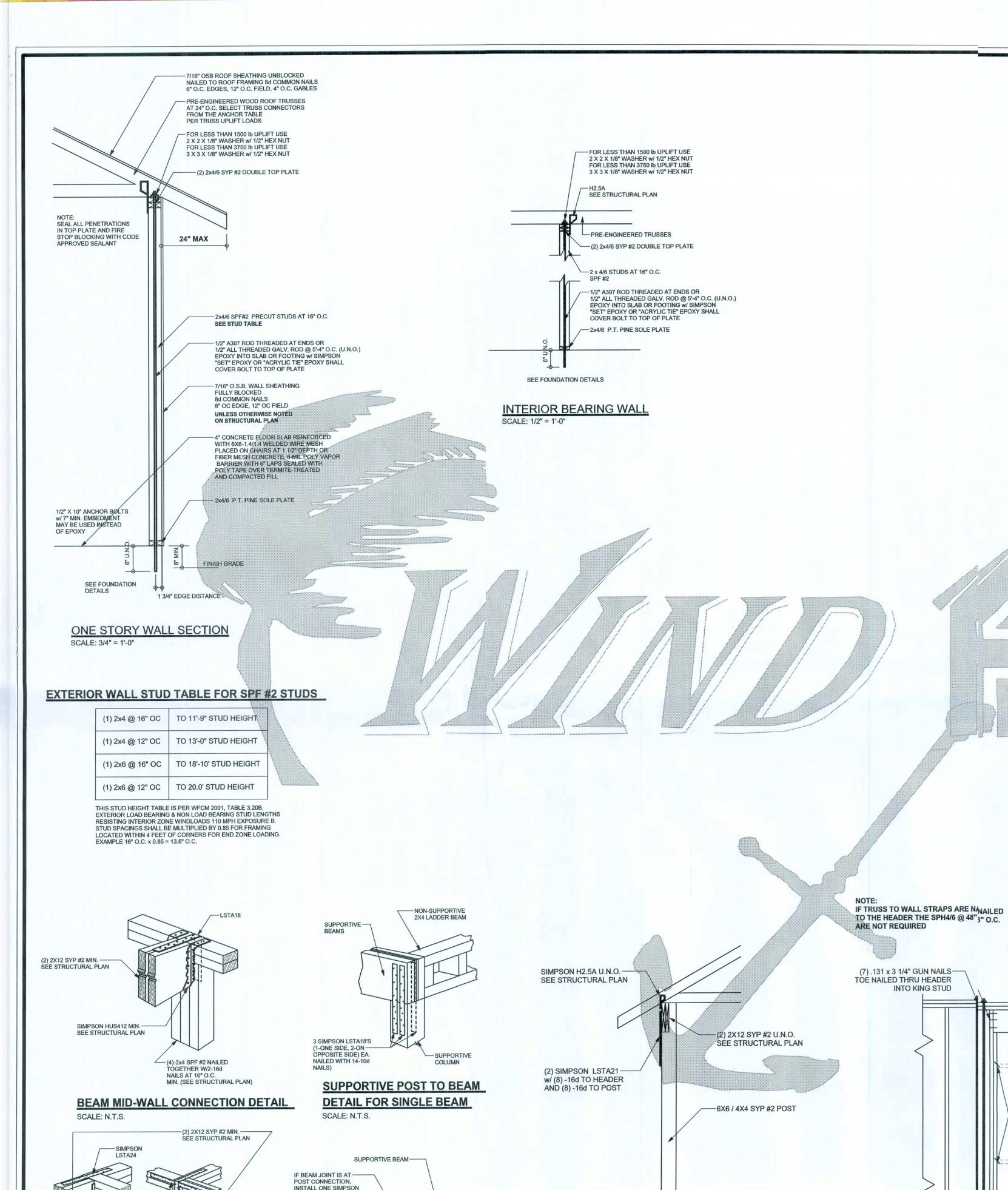
Mark Haddo

JOB NUMBER:

DRAWNG NUMBER

A-2





LSTA18 ON ONE SIDE

4-SIMPSON LSTA18 -

SUPPORTIVE CENTER POST TO BEAMDETAIL

(2-ONE SIDE, 2-ON

OTHER SIDE)

LSTA18 -

BEAM MAY BE ATTACHED IN

**BEAM CORNER CONNECTION. DETAIL** 



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 RO 12" EMBEDMENT
< 10980	< 6485	HGT-2		16 -10d	2-5/8" THREADED RO 12" EMBEDMENT
< 10530	< 9035	HGT-3		16 -10d	2-5/8" THREADED RO 12" EMBEDMENT
< 9250	< 9250	HGT-4		16 -10d	2-5/8" THREADED RO 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

#### **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" 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

#### **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 RUSS 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

### **DESIGN DATA**

WIND LOADS PER FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTION R301.2	.1
(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROMEAN ROOF HEIGHT NOT EXCEEDING LEAST HORIZONTAL DIMENSION OR 60 FOR UPPER HALF OF HILL OR ESCARPMENT 60FT IN EXP. B, 30FT IN EXP. C AND SLOPE AND UNOBSTRUCTED UPWIND FOR 50x HEIGHT OR 1 MILE WHICHEVER	Γ; NOT >10%
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

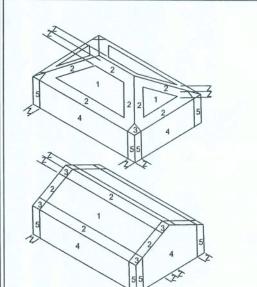
WIND IMPORTANCE FACTOR = 1.0

4.) BUILDING CATEGORY = II 5.) ROOF ANGLE = 10-45 DEGREES

6.) MEAN ROOF HEIGHT = <30 FT

INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)

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



2	1 2 2 O'hg	19.9 19.9	0 -21.8 -25.5	18.1	-18.1 -21.8
-	2		-		-
2		19.9	-25.5	18.1	-21.8
2	2 O'ha				21.0
			-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 8	& Wind	dows	21.8	-29.1
	Worst Case				
	(Zone	5, 10	ft2)		
8	8x7 Garage Door		19.5	-22.9	
1	6x7 Ga	7 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

Woodman Park Builder Zone Effective Wind Area (ff2) Carol Montique

> DDRESS: 122 NW Montique Ct. LakeCity, FL 32055

Residence

INDLOAD ENGNEER: Mark Disosway.

PE No.53915, P(B 868, Lake City, FL

dimensions. Refe all questions to

Mark Disosway, I.E. for resolution. Do not proceed vithout clarification.

COPYRIGHTS AND PROPERTY RIGHTS:

Mark Disosway, I.E. hereby expressly reser

its common law opyrights and property right in these instrument of service. This document is

not to be reprodued, altered or copied in any form or manner vithout first the express written ermission and onsent of Mark Disosway.

CERTIFICATION I hereby certify that I have

examined this pla, and that the applicable portions of the pln, relating to wind engineer

comply with secon R301.2.1, florida building

ode residential 2004, to the best of my

LIMITATION: This design is valid for one

MARK DISOSWAY P.E. 53915

building, at specied location.

32056, 386-754-419

REVISIONS

SOTPLAN

Mark Disosway P.E. P.0. Box 868 Lake City, Florida 32056 Phone: 386) 754 - 5419 Fax: (386) 269 - 4871

PRINTED DATE: January 16, 2008 CHECKED BY: DRAWN BY:

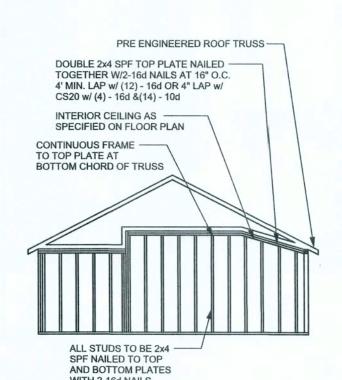
FINALS DATE: 16 / Jan / 03

> JOE NUMBER: 301161 DRAVING NUMBER

> > **S-1** OF 3 SHEETS

# **GRADE & SPECIES TABLE**

		Fb (psi)	E (10 <sup>6</sup> 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



WITH 2-16d NAILS

SCALE: N.T.S.

CONTINUOUS FRAME TO **CEILING DIAPHRAGM DETAIL** 

TYPICAAL 1 STORY HEADER STRAPING DETAIL
SCALE: 1/2"2" = 1'-0"

CRIPPLES IF REQUIRED

(5) .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)

(1) 2X6 SPF #2 SILL UP TO 7'-6" U.N.O.

(2) 2X4 SPF #2 SILL UP TO 7'-8" U.N.O.

(1) 2X4 SPF #2 SILL UP TO 5'-1" U.N.O.

(FOR: 120 MPH, 10'-0" WALL HEIGHT U.N.O.)

-SIMPSON ABU POST BASE

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

ANCHOR BOLT

—SEE FOOTING DETAILS

4X4 / 6X6 PORCH POST DETAIL

FOR LESS THAN 1500 Ib UPLIFT USE

FOR LESS THAN 3750 Ib UPLIFT USE

-NAIL SHEATHING TO HEADER AND TOP

-SPH4/6 @ 48" O.C. (U.N.O.)/---(7) .131 x 3 1/4" GUN NAILS

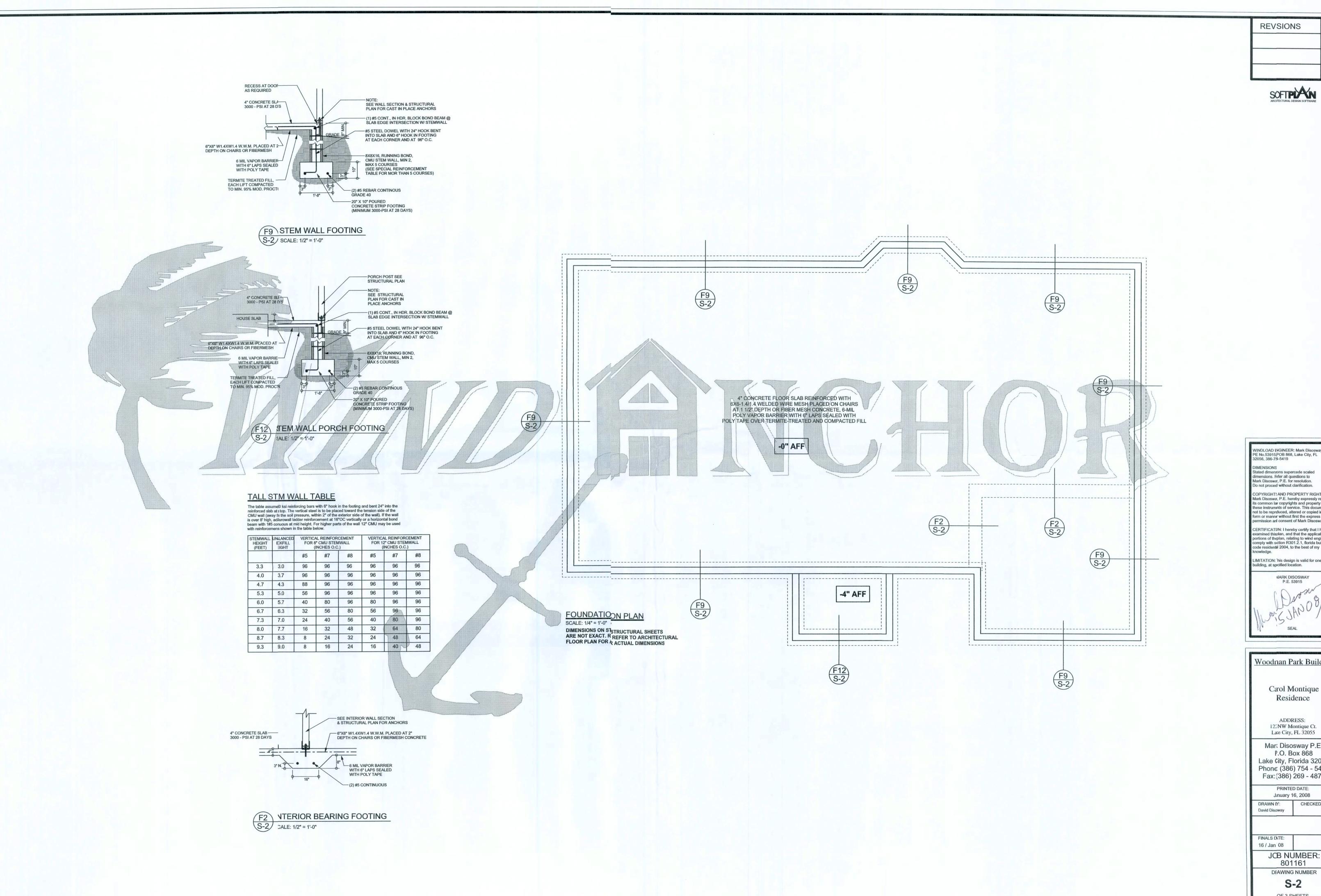
TOE NAILED THRU HEADER

INTO KING STUD

PLATE WITH 8d AT 3" O.C. FOR UPLIFT

2 X 2 X 1/8" WASHER

3 X 3 X 1/8" WASHER



**REVSIONS** 

SOFTPIAN

PE No.53915POB 868, Lake City, FL 32056, 386-74-5419

Stated dimensons supercede scaled dimensions. Fefer all questions to Mark Disoswa, P.E. for resolution. Do not proced without clarification.

COPYRIGHT! AND PROPERTY RIGHTS: Mark Disoswa, P.E. hereby expressly reserv its common lav copyrights and property right in these instrumnts of service. This document is not to be reprduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

CERTIFICATDN: I hereby certify that I have examined thisplan, and that the applicable portions of theplan, relating to wind engineering comply with sction R301.2.1, florida building code residential 2004, to the best of my

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

WARK DISOSWAY P.E. 53915

Woodnan Park Builders

Carol Montique Residence

> ADDRESS: 122NW Montique Ct. Læe City, FL 32055

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

PRINTED DATE: January 16, 2008 CHECKED BY:

16 / Jan 08

801161 DFAWING NUMBER

> **S-2** OF 3 SHEETS

