FIELD BOOK, SEE PAGE(S), FILE

AL & CAROL PAYNE

CERTIFIED TO:

OF 60' EASEMENT

POINT OF TERMINATION

WARREN THE DRAWING, SKETCH, PLAT DR MAP IS FOR INFORMATIONAL PURPOSES DALY AND IS NOT VALID. NOTE: UNLESS IT BEARS THE STGNATURE AND THE DRIGHAL RAISED SEAL DF A FLURIDA LICENSED SURVEYOR AND

FIELD SURVEY DATE

IN CHAPTER 51-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES. TECHNICAL STANDARDS AS SET FURTH BY THE FLURIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS

TELEPHONE: (386) 752-7163 FAX: (386) 752-5573 www.brittsurvey.com LAKE CITY, FLORIDA 32025

SOBE 2W MAIN BLVD, SUITE, 112 LAND SURVEYORS AND MAPPERS, L.B. # 7593

BRILL SURVEYING

PROPERTY APPRAISERS GIS SYSTEM, UNLESS OTHERWISE DENOTED THE ADJACENT DWNERSHIP INFORMATION AS SHOWN HEREON IS BASED ON THE COUNTY 8. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP. DIMENSIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE

THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON S009 FIRM PANEL NO. ISOSSCOSSSC. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE IS ESTABLISHED TO BE 39 FEET AS PER FLOOD INSURANCE RATE MAP, DATED 4 FEBRUARY, THIS PARCEL IS IN ZONE 'AE' AND IS SUBJECT TO FLOODING, A BASE FLOOD ELEVATION SOURRE MILE, AND AREAS PROTECTED BY LEVEES FROM 100-YEAR FLOOD, A PORTION OF

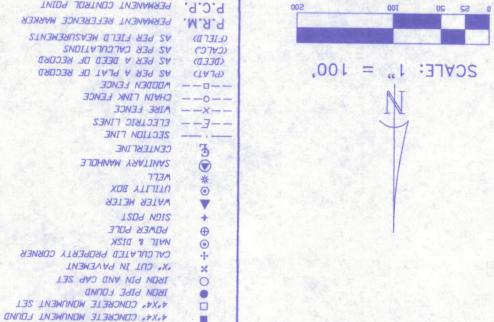
WORK ORDER # 1-22336

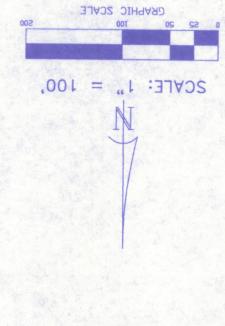
IT IS APPARENT THAT A PORTION OF THIS PARCEL IS IN ZONE "X" AND IS DETERMINED BEARINGS ARE BASED ON A DEED OF RECORD AND THE BEARING BASIS AS SHOWN HEREON.

SURVEYOR'S NOTES

OF BEGINNING, THENCE CONTINUE S.O. "06'32" E., 1018,35 FEET TO THE POINT OF TERMINATION ACROSS A 60 FOOT STRIP OF LAND LYING ADJACENT TO AND EAST OF THE FOLLOWING

A PART OF THE NW 1/4 OF SECTION 36, TOWNSHIP 7 SOUTH, RANGE 16 EAST, MORE DESCRIBLION:





P.C.P. PERMANENT CONTROL POINT

RANCE 16 EAST,

A BUILDING SITE PLAN IN SECTION 36, TOWNSHIP 7 SOUTH,

21/40/01

SURVEYOR'S CERTIFICATION

2'88.24,32,M' 836'32, (DEED) INCHEZZ & ECHEZZ EVERNAT N'88.24.32.E' 836.32. (DEED) 388'41, (CALC.) Z'88.23,53.M' OF 30' EASEMENT 388'11, (DEED) POINT OF BEGINNING 'M.SE. +5.88'S SOME "X" FLOODABLE SONE "AE" DEINE DIRT-SONE "X" **TAA9** 5.00 ACKES, ± BNITTINE

BULLDING SITE AS PREVIOUS BUILDING 180.55-BNILDER PROVIDED BY WELL LOCATION N'88.22,32.E' 388'18, (DEED) N.88°54'35"E. 388.30' (FIELD)

PROPOSED

388:17' (DEED) (BEARING BASIS)

POINT OF BEGINNING

32'00, (DEED) N'83.36,50.E' OF PARCEL & EASEMENTS

LUCATED DN 01/24/08.

PROPOSED

OF PARCEL

NO IDENTIFICATION

RANGE 16 EAST TOWNSHIP 7 SOUTH, OF SECTION 36, NW CORNER OF NW 1/4

OF 60' EASEMENT

POINT OF BEGINNING

POINT OF COMMENCEMENT

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM

THIS SURVEY EXCEPT AS SHOWN HEREDN. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR DATE OF FIELD SURVEY AS SHOWN HEREON.

WITH AVERAGE DEPTHS OF LESS THAN I FOOT OR WITH DRAINAGE AREAS LESS THAN I ZONE "X" AND IS SUBJECT TO AREAS OF 500-YEAR FLOOD, AREAS OF 100-YEAR FLOOD TO BE DUTSIDE THE 500 YEAR FLOOD PLAIN, A PORTION OF THIS PARCEL IS IN FLOODABLE

THE DRIGINAL SURVEY BY L.E. BRITT, P.L.S. 1079, DATED 11/08/04. BOUNDARY BASED DN MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF

N.01.05'47'W, 30.00 FEET TO THE POINT OF BEGINNING. 836.35 FEET, THENCE S.01.05'49'E, 30.00 FEET, THENCE S.88'54'35'W, 836.35 FEET, THENCE ALDING SAID RIGHT-OF-WAY, 1830,61 FEET FOR A POINT OF BEGINNING, THENCE N.88°54'35'E., RICHT-DF-WAY LINE OF RUM ISLAND ROAD, (A 60 FOOT RICHT-OF-WAY), THENCE S.01.05'47'E, RUN N.89°36'20'E., ALONG THE NORTH LINE THEREOF, 35.00 FEET TO THE EAST TOCETHER WITH AN EASEMENT FOR INGRESS, EGRESS AND UTILITY PURPOSES OVER AND

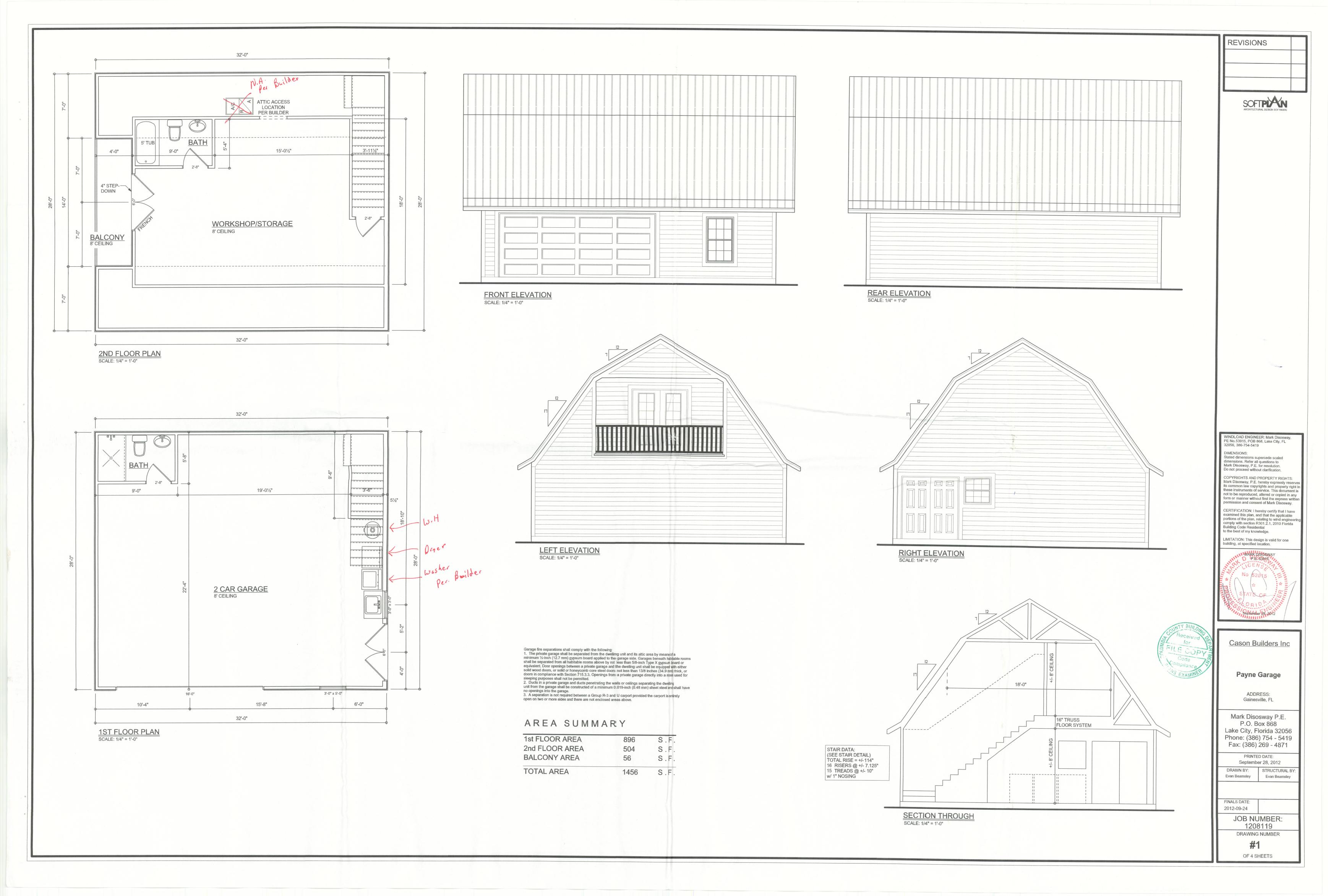
16 EAST AND RUN S.01.06'32'E, ALONG THE WEST LINE THEREOF, 1268.76 FEET FOR A POINT DESCRIBED LINE, COMMENCE AT THE NW CORNER OF SECTION 36, TOWNSHIP 7 SOUTH, RANGE

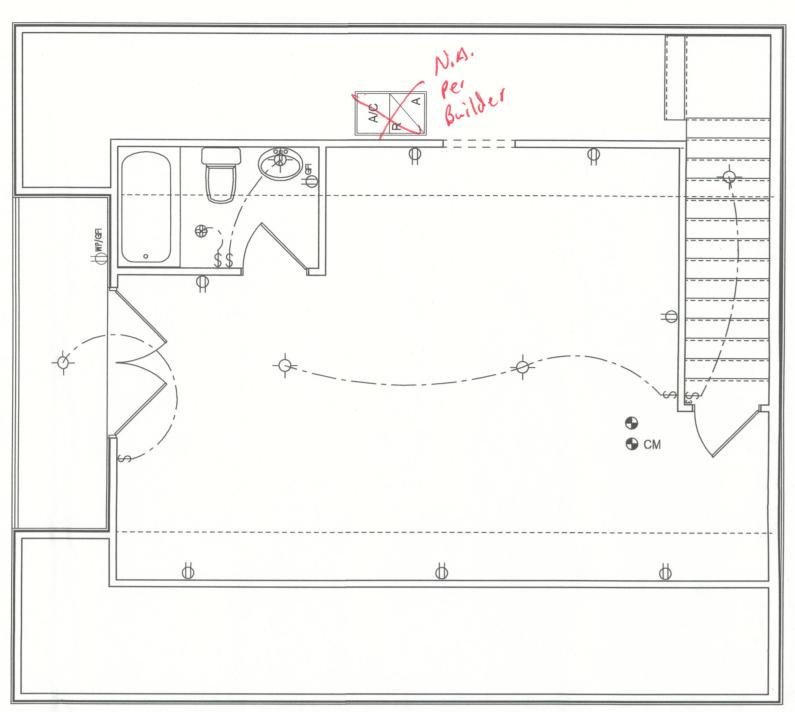
2'01.02'49'E, SELIC THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA, CONTAINING 5.00 ACRES, SOLOS'49'E, SELIZ FEET, THENCE N.01'05'47'W, SELIZ ID THE POINT OF BEGINNING, THENCE CONTINUE N.88°54'35'E, 388,17 FEET, THENCE 2'01.02,47.E" ALDNG SAID RIGHT-DF-WAY, 1269,49 FEET, THENCE N.88°54°35°E, 388.18 FEET EAST RIGHT-DF-WAY), THENCE SECTION 36, AND RUN N.89°36'20'E, ALONG THE NORTH LINE THEREOF, 35.00 FEET TO THE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHWEST CORNER OF SAID



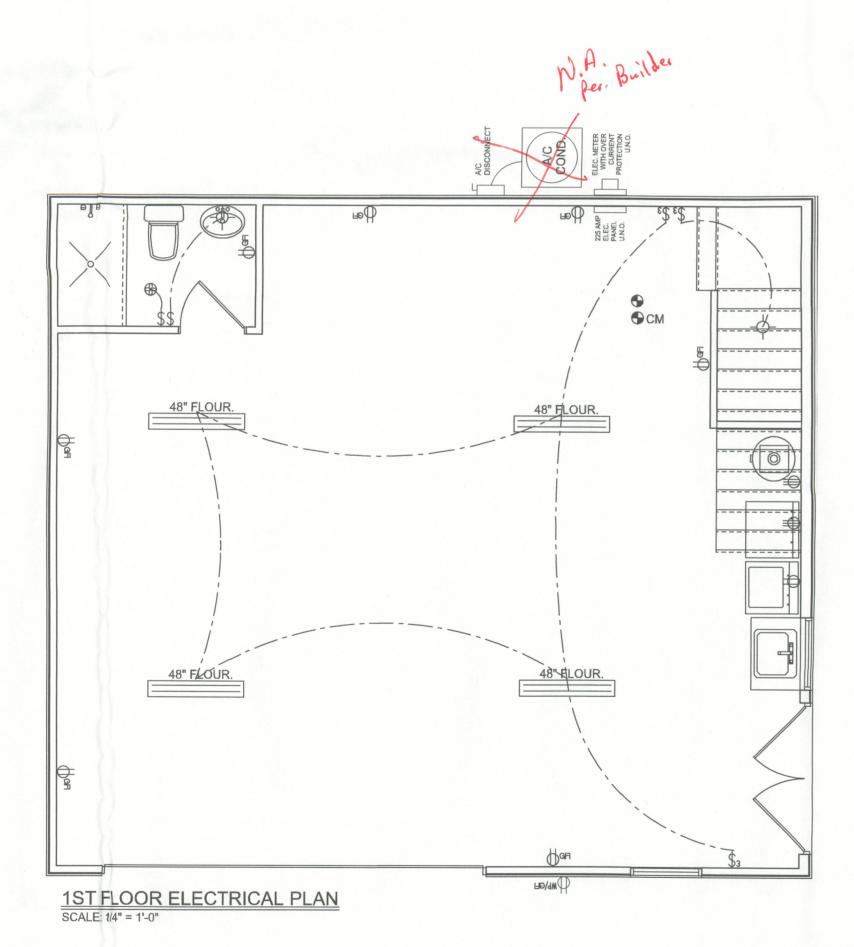
4.X4. CONCRETE MONUMENT FOUND SAMBOL LEGEND:

COLUMBIA COUNTY, FLORIDA.





2ND FLOOR ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



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.

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

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.

ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, E -8 SUN ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.

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

APPROVAL OF THE BUILDING OFFICIAL

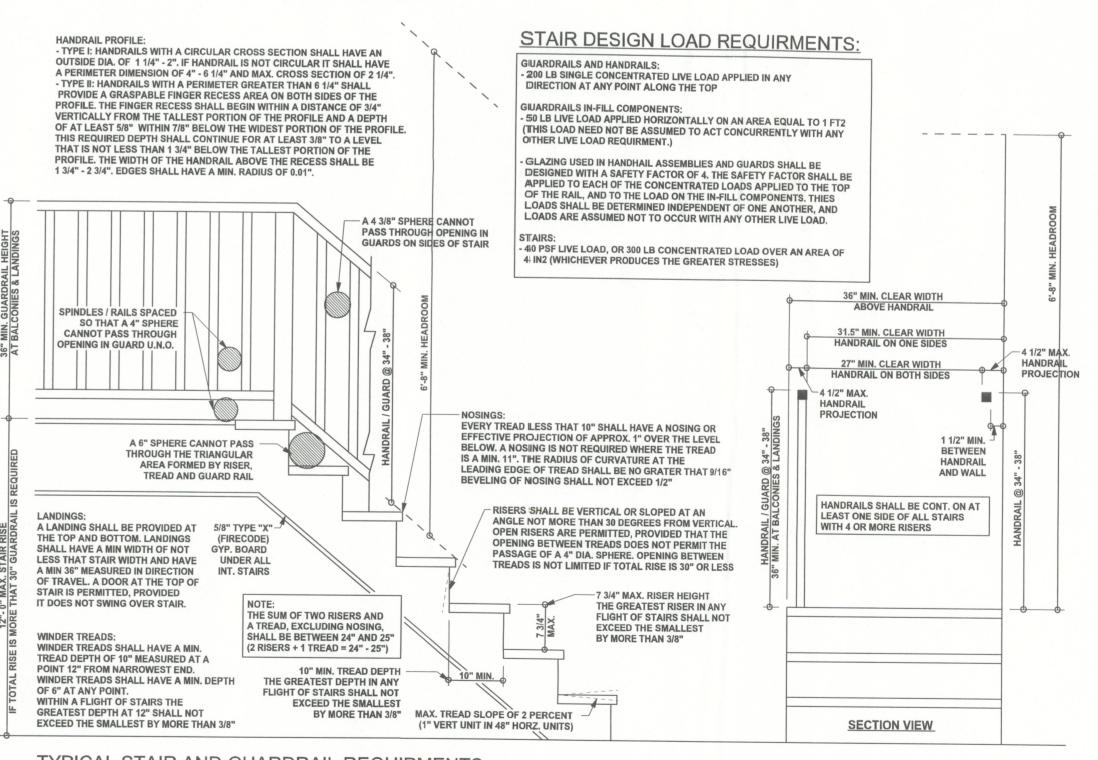
A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC E -10 CONDUCTORS ENTER THE BUILDING. SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED

INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL

CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 10' E -11 OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR ATTACHED GARAGE.

E -12 ALL OUTLETS LOCATED IN RESIDENTIAL TO BE TAMPER-RESISTANT PER NEC.

	ELECTRICAL LEGEN
	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
Ф	220v OUTLET
∯ _{GFI}	GFI DUPLEX OUTLET
•	SMOKE DETECTOR
\$	WALL SWITCH
\$3	3 WAY WALL SWITCH
\$4	4 WAY WALL SWITCH
₩P/GFI	WATER PROOF GFI OUTLET
∇	PHONE JACK
0	TELEVISION JACK
•	GARAGE DOOR OPENER
⊕ CM	CARBON MONOXIDE ALARM



TYPICAL STAIR AND GUARDRAIL REQUIRMENTS

REVISIONS

SOFTPLAN

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

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CERTIFICATION: I hereby certify that I have

examined this plan, and that the applicable

imensions. Refer all questions to

portions of the plan, relating to wind engineer comply with section R301.2.1, 2010 Florida Building Code Residential to the best of my knowledge.

building, at specified location.



Cason Builders Inc

Payne Garage

ADDRESS: Gainesville, FL

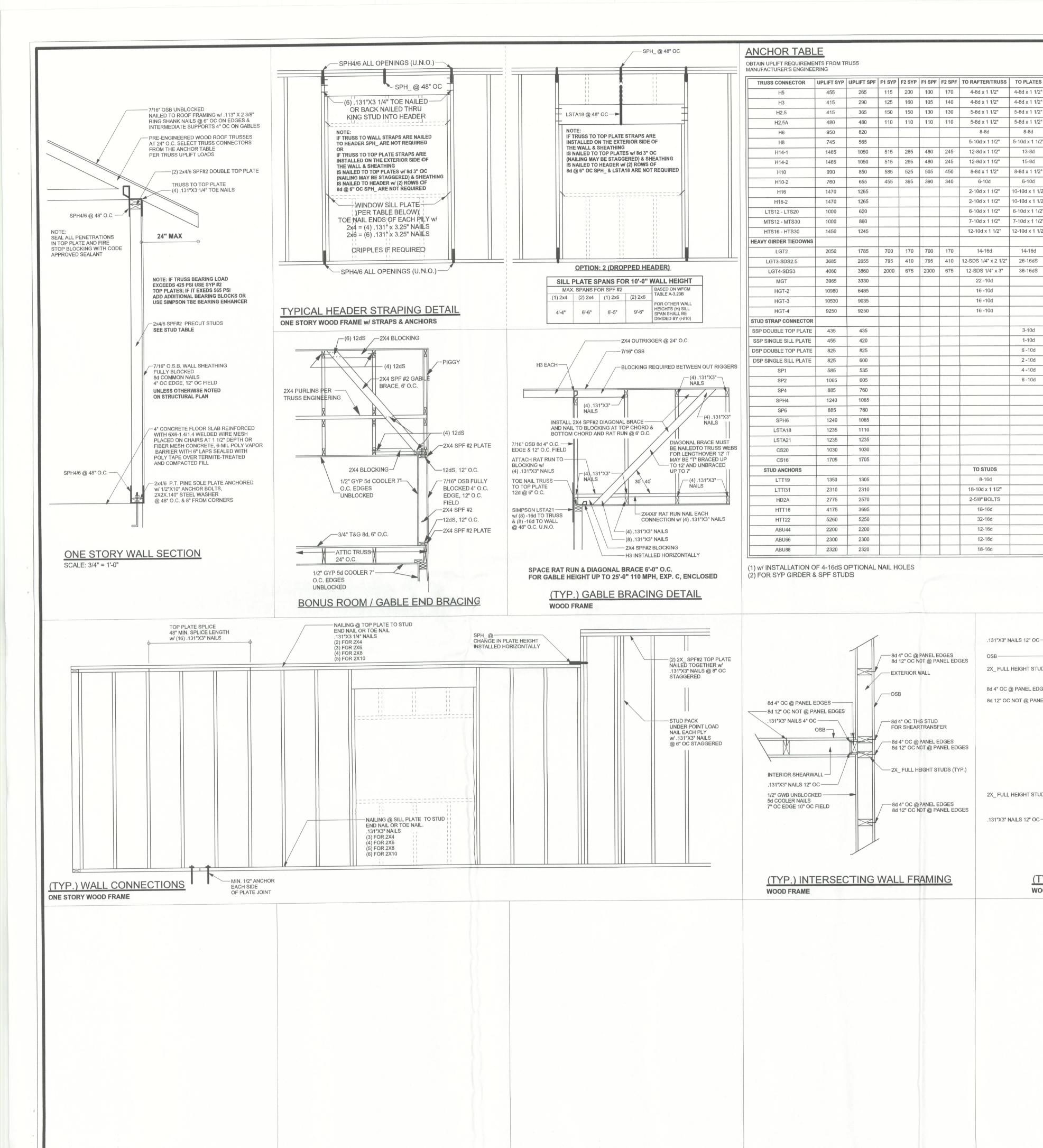
Mark Disosway P.E. P.O. Box 868 Lake City, Florida 32056 Phone: (386) 754 - 5419 Fax: (386) 269 - 4871

PRINTED DATE: September 28, 2012 DRAWN BY: STRUCTURAL BY Evan Beamsley Evan Beamsley

FINALS DATE: 2012-09-24

> JOB NUMBER: 1208119 DRAWING NUMBER

> > OF 4 SHEETS



EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

4-8d x 1 1/2"

4-8d x 1 1/2"

5-8d x 1 1/2"

5-8d x 1 1/2"

8-8d

12-8d x 1 1/2"

12-8d x 1 1/2"

8-8d x 1 1/2"

6-10d

2-10d x 1 1/2"

2-10d x 1 1/2"

14-16d

12-SDS 1/4" x 3'

22 -10d

16 -10d

16 -10d

16 -10d

TO STUDS

8-16d

18-10d x 1 1/2'

2-5/8" BOLTS

18-16d

32-16d

12-16d

12-16d

18-16d

--- 8d 4" OC @ PANEL EDGES 8d 12" OC NOT @ PANEL EDGES

--- EXTERIOR WALL

-8d 4" OC THIS STUD

FOR SHEARTRANSFER

-8d 4" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES

--- 2X_ FULL HEIGHT STUDS (TYP.)

--- 8d 4" OC @PANEL EDGES 8d 12" OC NOT @ PANEL EDGES

.131"X3" NAILS 12" OC ---

2X FULL HEIGHT STUDS (TYP.) -

8d 12" OC NOT @ PANEL EDGES -

2X_FULL HEIGHT STUDS (TYP.) -

.131"X3" NAILS 12" OC ---

8d 4" OC @ PANEL EDGES -

6-10d x 1 1/2" 6-10d x 1 1/2

7-10d x 1 1/2" 7-10d x 1 1/2

12-10d x 1 1/2" | 12-10d x 1 1/2

4-8d x 1 1/2

4-8d x 1 1/2"

5-8d x 1 1/2"

8-8d

13-8d

15-8d

8-8d x 1 1/2"

6-10d

10-10d x 1 1/2

10-10d x 1 1/2

14-16d

26-16dS

3-10d

1-10d

2 -10d

4 -10d

6 -10d

6 -10d

TO FOUNDATION

5/8" ANCHOR

2-5/8" ANCHOR

2-5/8" ANCHOR

2-5/8" ANCHOR

TO STUDS

4 -10d

4 -10d

8 -10d

8 -10d

6 -10d

6 -10d

6-10d x 1 1/2

10-10d x 1 1/2

6-10d x 1 1/2

10-10d x 1 1/2'

14-10d

16-10d

14-10d

22-10d

TO FOUNDATION

1/2" ANCHOR

5/8" ANCHOR

5/8" ANCHOR

5/8" ANCHOR

5/8" ANCHOR

5/8" ANCHOR

5/8" ANCHOR

1/2" GWB UNBLOCKED

OUTSIDE CORNER

INSIDE CORNER

(TYP.) CORNER FRAMING

WOOD FRAME

7" OC EDGE 10" OC FIELD

- 1/2" GWB UNBLOCKED

5d COOLER NAILS 7" OC EDGE 10" OC FIELD

--- 8d 4" OC @ PANEL EDGES

8d 12" OC NOT @ PANEL EDGES -

2-5/8" ANCHOR

5-10d x 1 1/

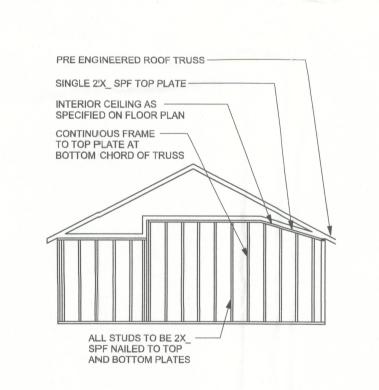
5-8d x 1 1/2

(1) 2x4 @ 16" OC	TO 10'-1" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 11'-2" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 15'-7" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 17'-3" STUD HEIGHT

THIS STUD HEIGHT TABLE IS PER 2012 WFCM, TABLE 3.20B4, EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS FOR WALLS WITH OSB EXTERIOR AND 1/2" GYP INTERIOR RESISTING INTERIOR ZONE WINDLOADS, 130 MPH, EXPOSURE C STUD DEFLECTION LIMIT H/240 (NOT OK FOR SOME BRITTLE FINISH?) STUD SPACINGS SHALL BE MULTIPLIED BY 0.8 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. (END ZONE EXAMPLE 16" O.C. x 0.8 = 12.8" O.C.)

CRADE & SDECIES TARIE

		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

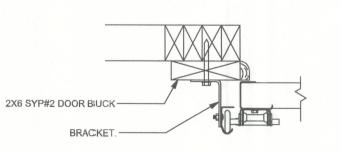


CONTINUOUS FRAME TO CEILING DIAPHRAGM DETAIL

2X6 SYP#2 GARAGE DOOR BUCK ATTACHMENT ATTACH GARAGE DOOR BUCK TO STUD PACK AT EACH SIDE OF DOOR OPENING WITH 3/8"X4" LAG SCREWS w/ 1" W/ASHER LAG SCREWS MAY BE COUNTERSUNK. HORIZONTAL JAMBS DO NOT TRANSFER LOAD). CENTER LAG SCREWS OR STAGGER 16d NAILS OR (2) ROWS OF .131X3 1/4" GN PER TABLE BIELOW:

WOOD FRAME

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



(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE 2010 FBCR. 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

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTH 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C 1116. SUPPLIER TO PROVIDE ASTM C 1116 CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY BUILDING OFFICIAL

CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT WWM OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

REBAR: ASTM A 615, GRADE 60, DEFORMED BARS, FY = 60 KSI. ALL LAP SPLICES 40 * DB (25" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-96, U.N.O.

GLULAM BEAMS: GLB, 24F-V3SP, Fb = 2.4ksi, E = 1800ksi; UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALCS. ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS; 7/16" OSB SHEATHING. UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED, FASTENED WITH 8d COMMON NAILS (.131), 6"OC PANEL EDGES, 12"0C INTERMEDIATE MEMBERS, GABLE ENDS AND

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 2010 FBCR REQUIREMENTS FOR THE STATED WIND VELOCITY AND

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

DESIGN PRESSURES.

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH 2010 FBCR, 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 2010 FBCR 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.

WIND LOADS PER 2010 FLORIDA BUILDING CODE RESIDENTIAL, SECTION R301.2.1

DESIGN DATA

		,				
(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS VI MEAN ROOF HEIGHT	WITH FLA	T, HIPF	PED, OR	GABLE RO	OFS;	
BUILDING IS NOT IN THE HIGH VELOCITY HUR	RICANE Z	ONE				
BUILDING IS NOT IN THE WIND-BORNE DEBRIS	REGION	l				
1.) BASIC WIND SPEED = 130 MPH, (3 SEC GUST, 33 FT, EXP. C)						
2.) WIND EXPOSURE = C, BUILDER MUST FIE	LD VERIF	Y				
3.) TOPOGRAPHIC FACTOR = 1.0, BUILDER N						
4.) RISK CATEGORY = II, (MRI = 700 YR)						
5.) ROOF ANGLE = 7-45 DEGREES						
6.) MEAN ROOF HEIGHT = <30 FT			***************************************			
7.) INTERNAL PRESSURE COEFFICIENT = N/A	(ENCLO	SED B	UILDING)			
8.) COMPONENTS AND CLADDING DESIGN W	IND PRES	SSURE	S (TABLE	E R301.2(2	())	
X						
	Zone	Effec	tive Win	d Area (f	t2)	
3 2	Lone	-	10			
	1	39	-43			
2 2 2 1	2	39	-68			
4						
4	3	39	-100			
313	4	43	-46		_	
13	5	43	-57		-	
24 2						
3 2						
4 2 4						
1515						
DESIGN LOADS			***************************************			
FLOOR 40 PSF (ALL OTHER DWELLING ROOM	MS)					
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 DWELLIN	GS)					
SOIL BEARING CAPACITY 1000PSF						

NOT IN FLOOD ZONE (BUILDER TO VERIFY)

REVISIONS

SOFTPLAN

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. COPYRIGHTS AND PROPERTY RIGHTS:

these instruments of service. This document not to be reproduced, altered or copied in any form or manner without first the express writter 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 engineer comply with section R301.2.1, 2010 Florida **Building Code Residential**

Mark Disosway, P.E. hereby expressly reserv

its common law copyrights and property right

to the best of my knowledge. LIMITATION: This design is valid for one



Cason Builders Inc

Payne Garage

ADDRESS: Gainesville, FL

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

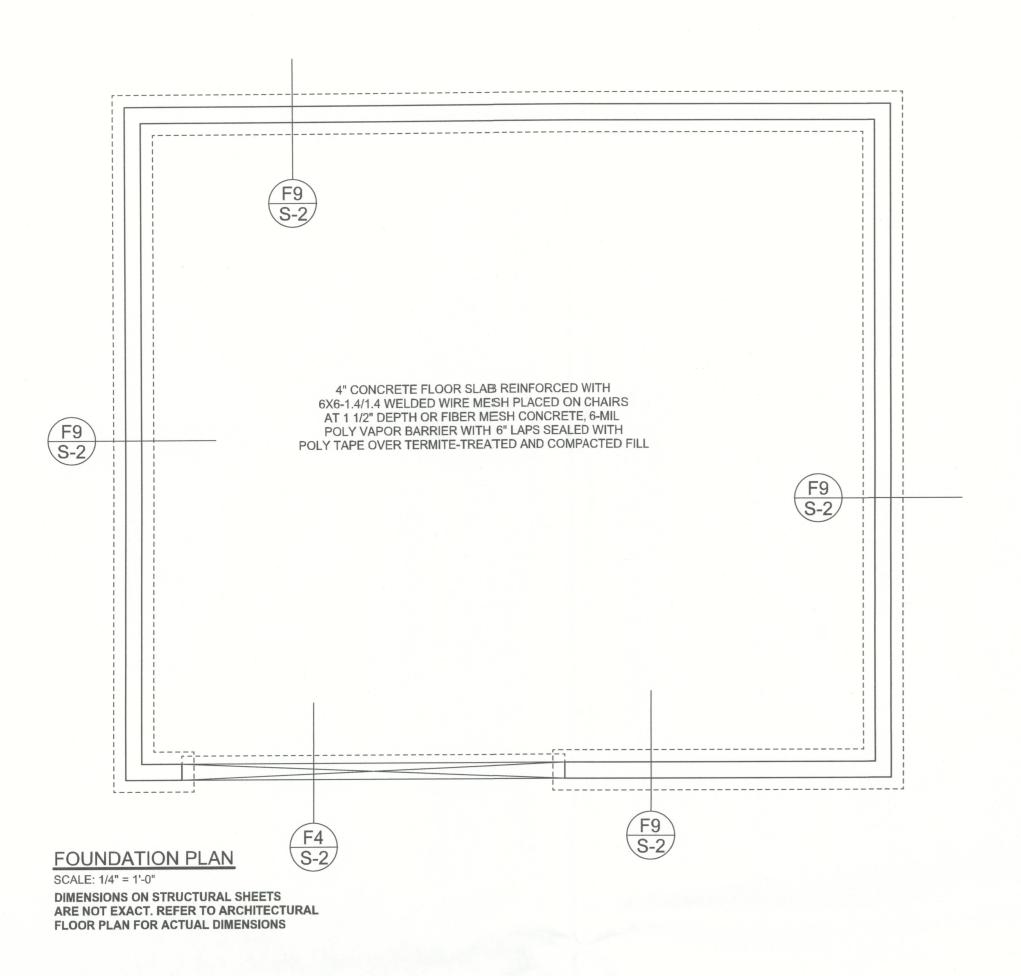
Fax: (386) 269 - 4871 PRINTED DATE: September 28, 2012

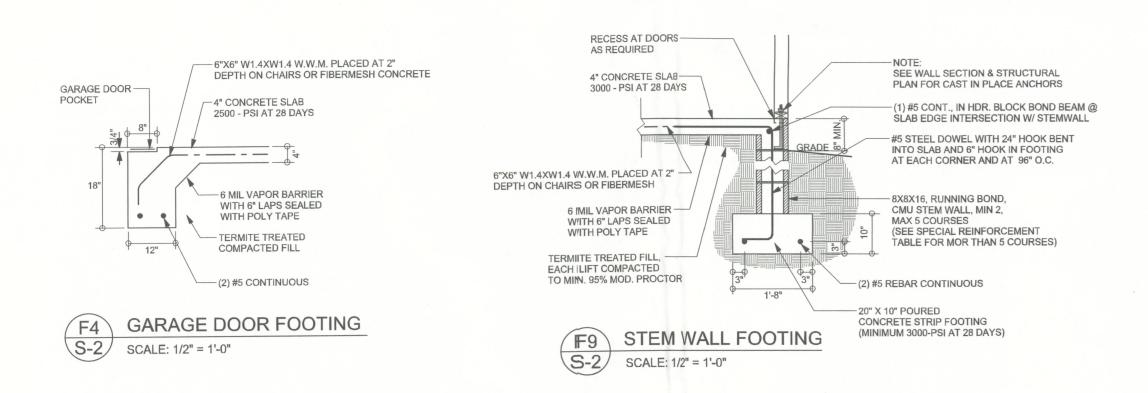
DRAWN BY: STRUCTURAL BY **Evan Beamsley** Evan Beamsley

FINALS DATE: 2012-09-24 JOB NUMBER:

> 1208119 DRAWING NUMBER **S-1**

OF 4 SHEETS

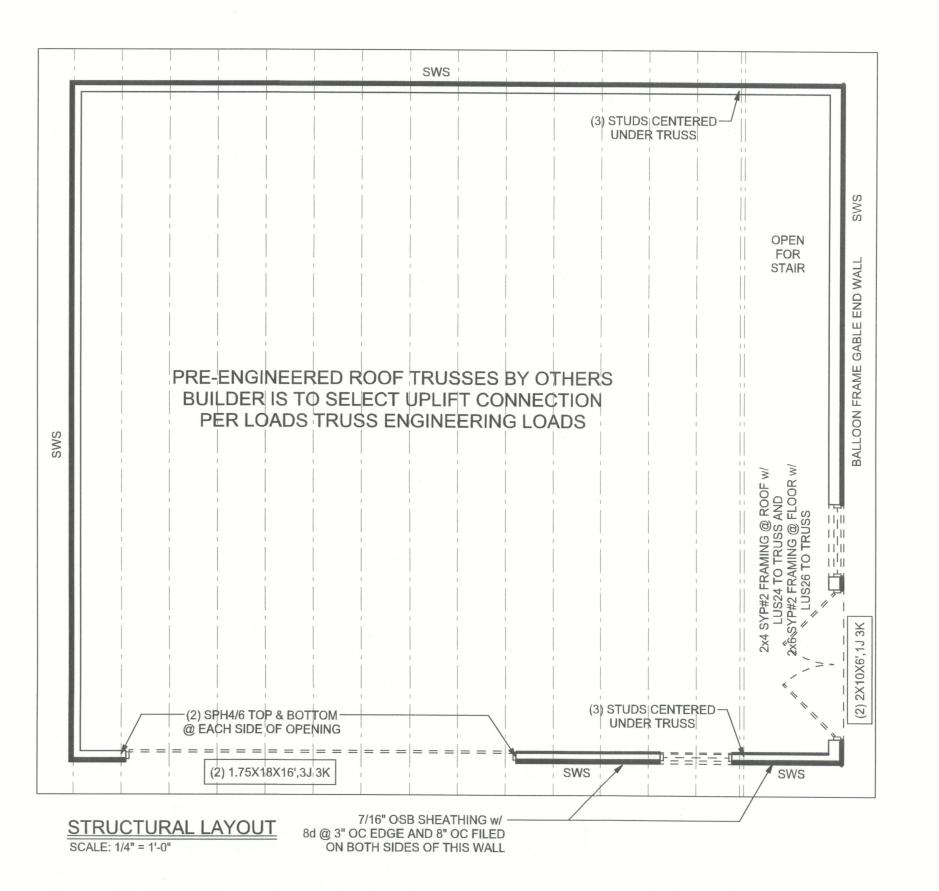




TALL STEM WALL TABLE

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



STRUCTURAL PLAN NOTES

- SN-1 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 TRUSS PACKAGE

HEADER LEGEND

(2) 2X12X0',1J 1K HEADER/BEAM CALL-OUT (U.N.O.) 4 4 4 4 4 NUMBER OF KING STUDS (FULL LENGTH) -NUMBER OF JACK STUDS (UNDER HEADER) —SPAN OF HEADER —SIZE OF HEADER MATERIAL -NUMBER OF PLIES IN HEADER

TOTAL SHEAR WALL SEGMENTS INDICATES SHEAR WALL SEGMENTS

REQUIRED ACTUAL TRANSVERSE 35.5' 45.0' LONGITUDINAL 17.0' 42.5

WALL LEGEND

<u></u>	EXTERIOR WAILL
	INTERIOR NON-LOAD BEARING WALL
	INTERIOR LOAD BEARING WALL w/ NO UPLIFT
	INTERIOR LOAD BEARING WALL w/ UPLIFT

REVISIONS

SOFTPLAN

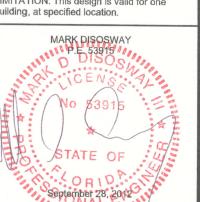
WINDLOAD ENGINEER: Mark Disosway, PE No.53915, POB 868, Lake City, FL 32056, 386-754-5419

DIMENSIONS: Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution.
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portions of the plan, relating to wind engineeri comply with section R301.2.1, 2010 Florida Building Code Residential to the best of my knowledge.

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



Cason Builders Inc

Payne Garage

ADDRESS:

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

Evan Beamsley

Gainesville, FL

PRINTED DATE: September 28, 2012 DRAWN BY: STRUCTURAL BY

FINALS DATE:

2012-09-24

Evan Beamsley

JOB NUMBER: 1208119

DRAWING NUMBER

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