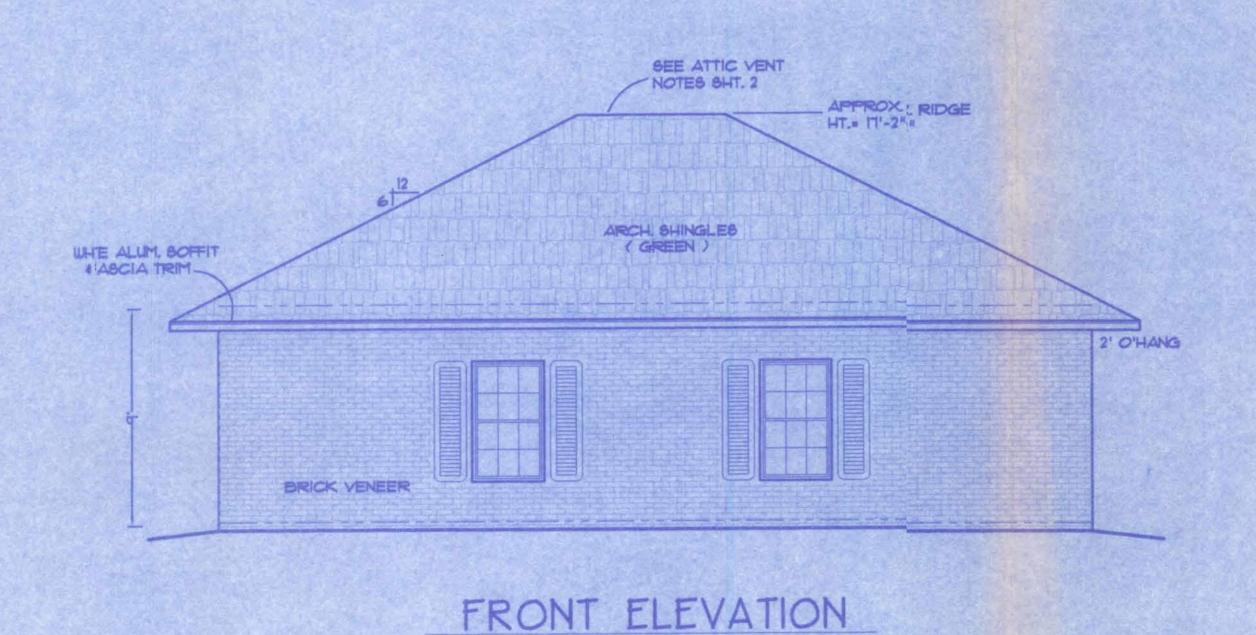
BRICK VENEER 3030 3030 3030 BIATH UNFINN FLOOR COLD WATER 20'-0" WATER TANKLLESS WATERR HEAT. RESIST, GYP WELL SYSTEM VENT THRU-BOARD FIN. ROOF IF REQ'D. CEILING . 3/8" PLYWOOD INTER FINISH CEILING INSULATED (R-30 FG.) CONCRETE APRON GARAGE / SHOP STEEL DOOR 9'-0" CEILING HEIGHT FLOOR: UNFINISHED SLOPE AWAY EXTERIOR WALLS: - 2x4 STUD WI BRICK VENEER · ALL WALLS INSULATED (R-13 F.G.) -3/8" PLYWOOD INTER FINISH - IXI2 KICK-PLATE (ALL WALLS) ALL SSOFFIT & FASCIA TRIM I IS WHITE ALUM. 3050 BRICK VENEER 2" O'HANG

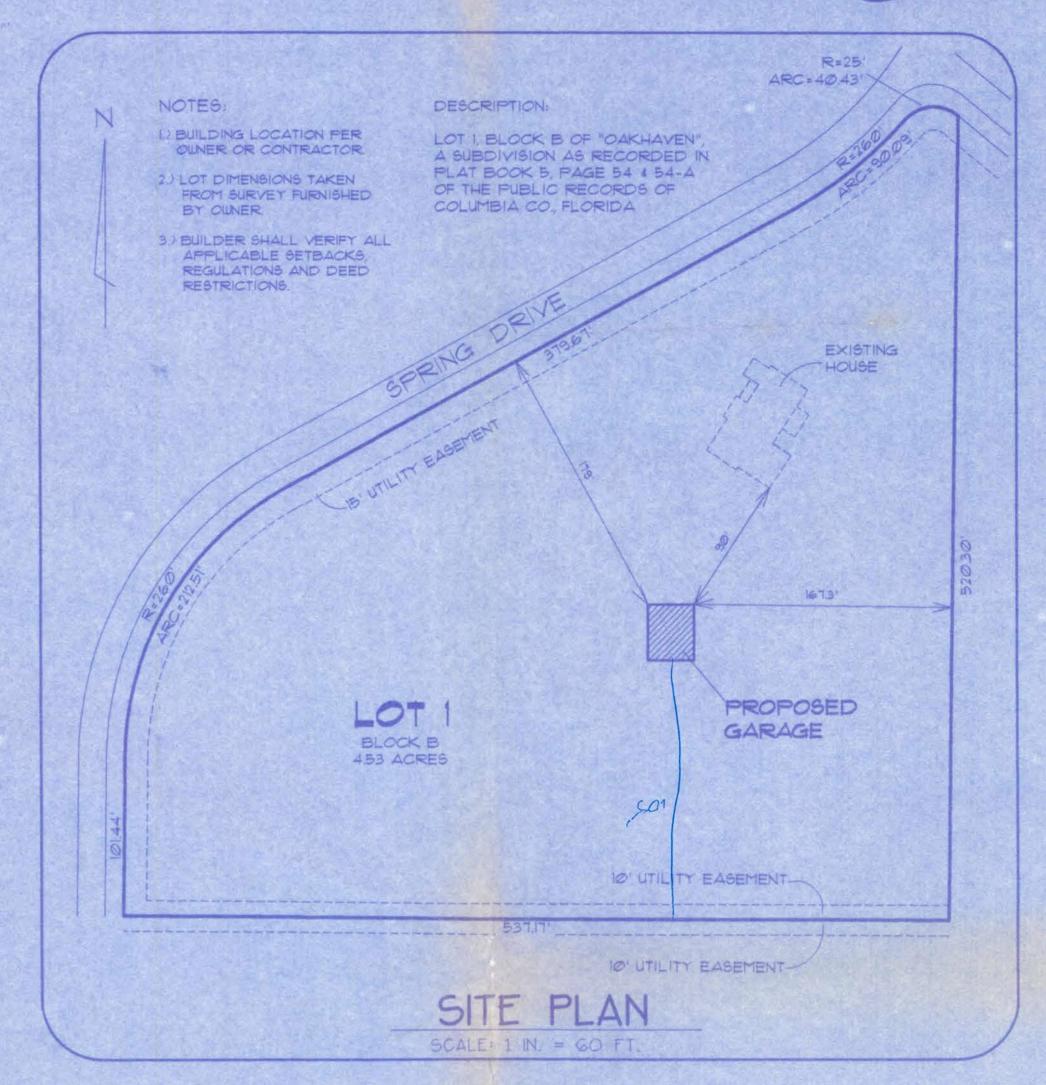


SCALE: 1/4 IN. = 1 FT.

FLOOR PLAN

SCALE: 1/4 IN. = 1 FT.

Boutwell Garage



SWS = Indicates a shearwall segment location referring to the labeled section of wall lying between the adjacent window / door openings in either direction. The shearwall areas have a height/width aspect ratio of 3-1/2: 1 or wider.

AREA SUMMARY

GARAGE AREA	1080 St
TOTAL ROOF	1080 8
CONC. APRON	480 9

Index to Sheets

SHEET	A-1	1							- SITE PLAN + FLOOR PLAI + ELEVATION	N
SHEET	A-2								- ELEVATIONS + GEN. NOTES	
SHEET	A-3			1					- FOUNDATION + SECTIONS	
SHEET	A-4		-	>	-	SATE		-	- ELECTRICAL	
SHEET	5-1	5					3	1	- WIND ENGINEER	211

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

CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code Residential 2004, Section R301.2.1 to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location, permitted within 90 days of signature date. In case of conflict, structural requirements, scope of work, and builder responsibilities on sheet S-1 control.

SPRING DRIVE, LAKE CITY, FL Location: SEC. 12, T-3-S, R-15-E 70(255 RAWN: TAD HECK:

07-001

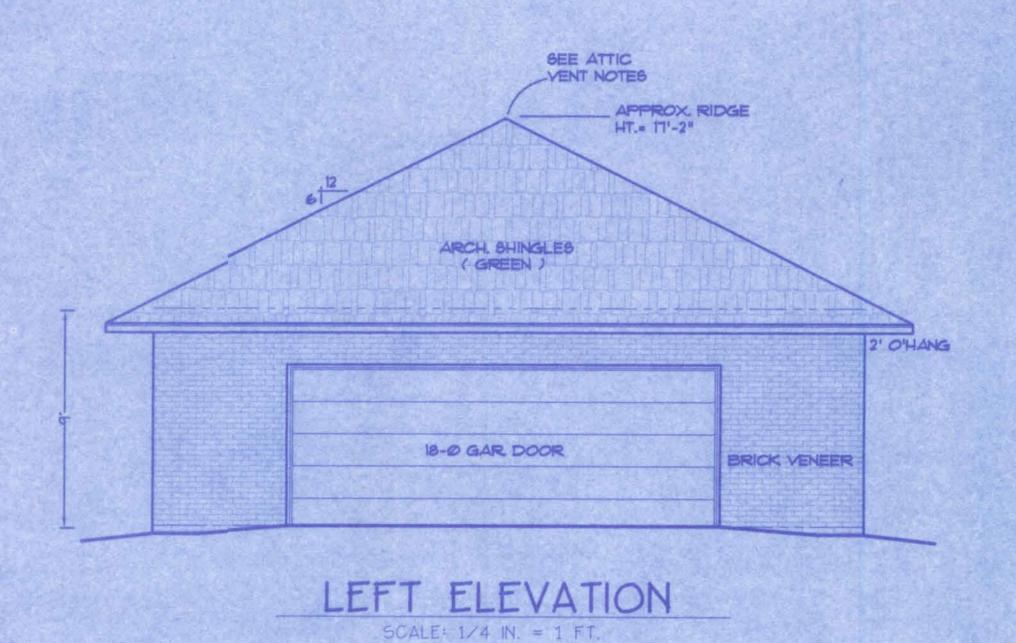
1-24-07

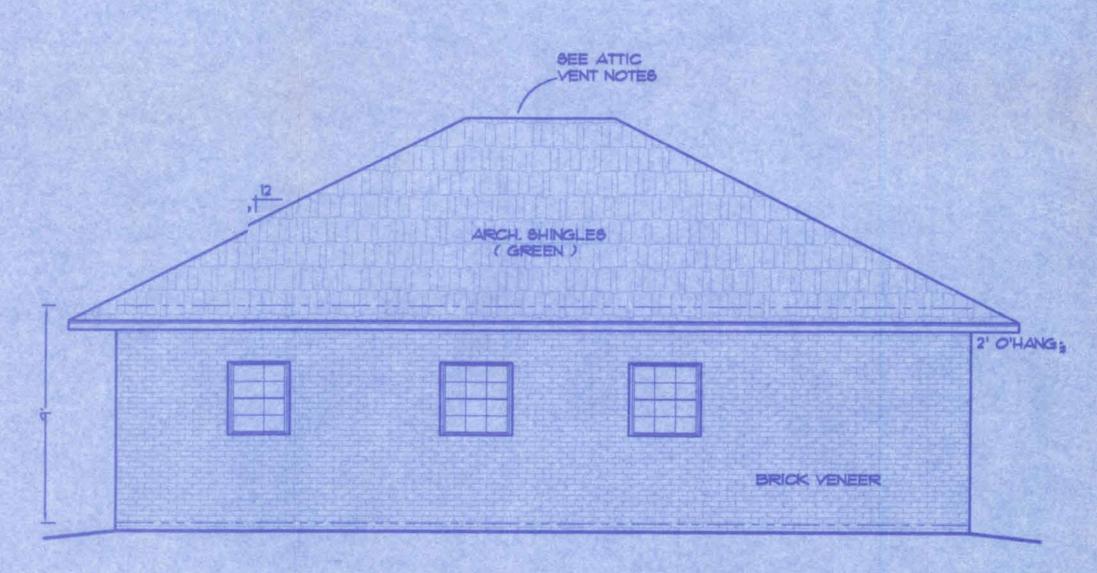
BOUTWELL 1 OF 4 CAD FILE GARAGE 07001 TIM DELBENE Drafting + Technical Services 192 SW Segewood Gh. Leke City, FL 32024 KEV.

Phone (386) 755-5891

Wal Grosny

OI FEB07



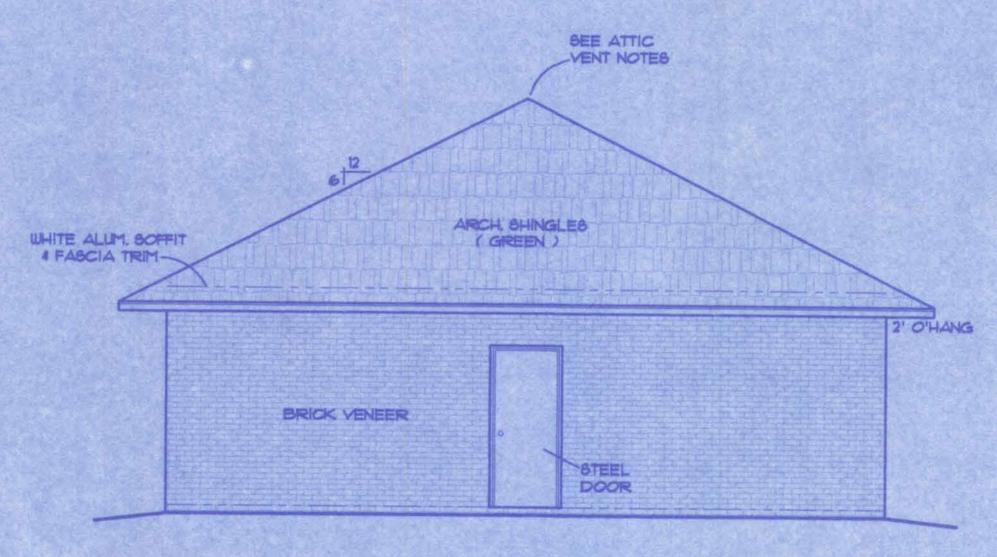


REAR ELEVATION SCALE: 1/4 IN. = 1 FT.

ATTIC VENTILATION

belosed attics and enclosed rafter spaces formed where ceilings are oplied directly to the underside of roof rafters shall have cross untilation for each separate space by ventilating openings protected quinst the entrance of rain. Ventilating openings shall be provided with orrosion-resistant wire mesh, wit h 1 / 8 inch (3.2 mm) minimum to ¼ ich (6.4 mm) maximum openings.

The total net free ventilating area shall not be less than 1 to 150 of the cea of the space ventilated except that the total area is permitted to be reduced to 1 to 300, provided at least 50 percent and not more than 80 procent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents.



RIGHT ELEVATION SCALE: 1/4 IN. = 1 FT.

GENERAL NOTES

- 1.) See 'Wind Load Detail Sheet 5-1' and Wind Engineer's Notes for data pertaining to Wind Design and compliance w/ Florida Building Code.
- 2.) All concrete used to be 2500 PSI strength or greater.
- 3.) HVAC duct and unit size/design is by engineered shop drawings from the AC contractor.
- 4.) Windows to be alum. framed and double glazed. Sizes shown are nominal and may vary with manufacturer.
- 5.) Roof Truss design is the responsibility of the supplier.
- 6.) The Truss Manufactuer shall prepare Shop Drawings indicating Truss placement. Girder locations. Truss-to-Truss Connections and any point loads. The Contractor shall notify the Designer of any point loads in excess of 2.0k for Fnd. Modification.
- 7.) Site analysis or preparation information is not a part of this plan and is the responsibility of the owner.
- 8.) Cabinet and millwork detail is not a part of this plan. The plan is a general design and details shall be the responsibility of the owner and/or contractor.

1-92

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

CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code Residential 2004, Section R301.2.1 to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location, permitted within 90 days of signature date. In case of conflict, structural requirements, scope of work, and builder responsibilities on sheet S-1 control.

SPRING DRIVE, LAKE CITY, FL. Location: SEC. 12, T-3-5, R-15-E

Joh No. 70

701255

FILE:

O7-001

BOUTWELL

1 OF 4

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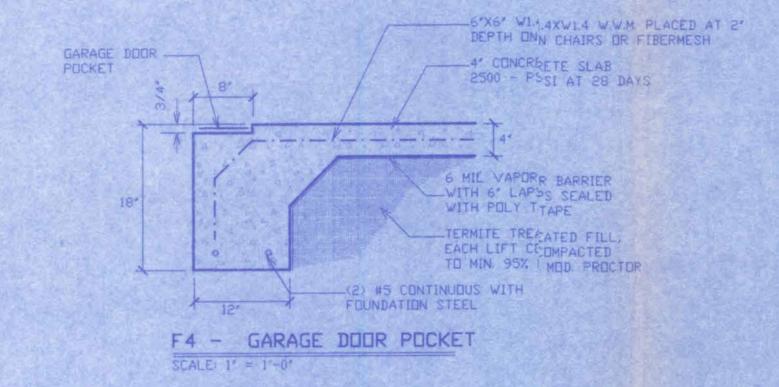
192 SW Segewood Ch. Lake City, FL 32024

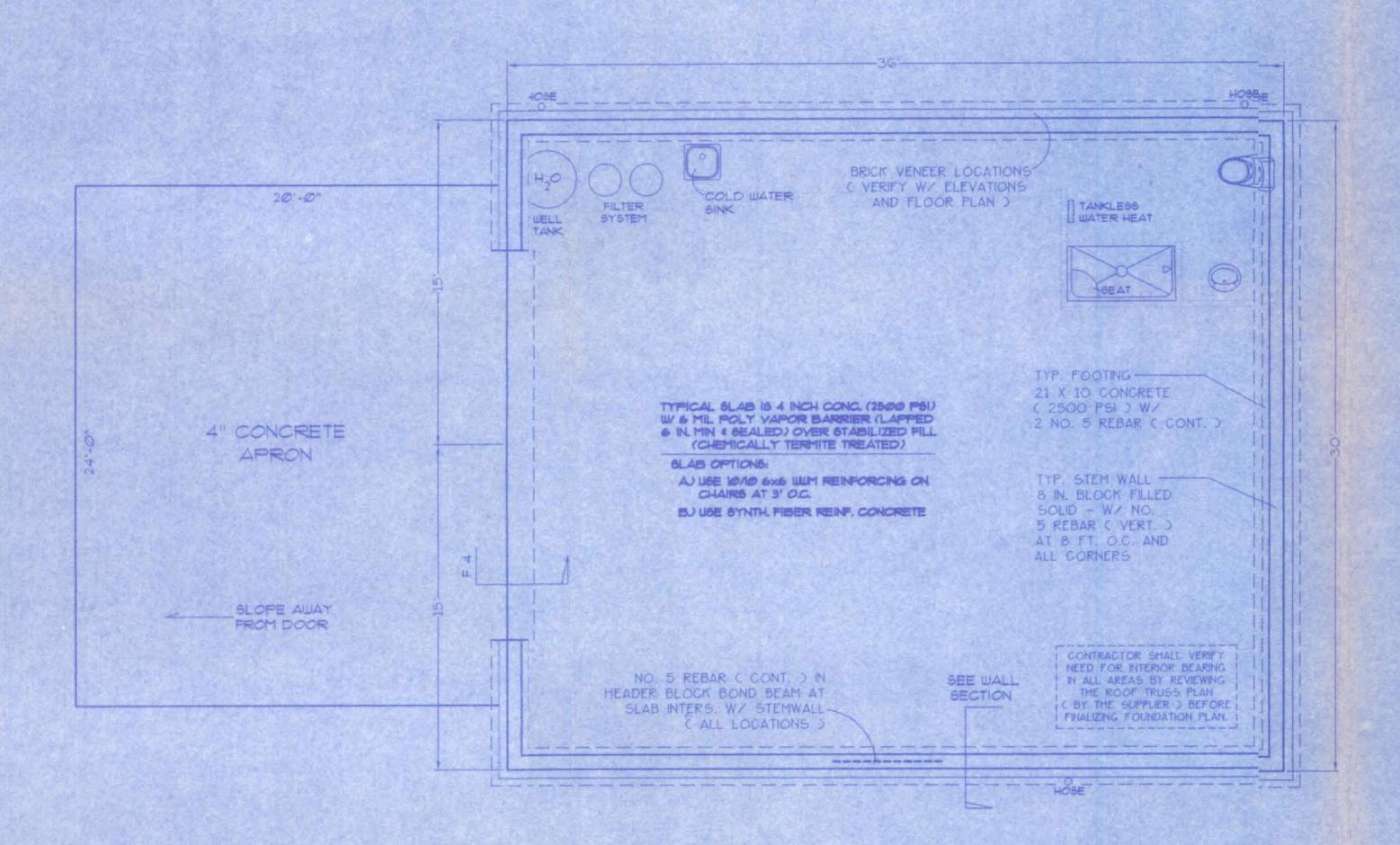
Phone (386) 755-5891

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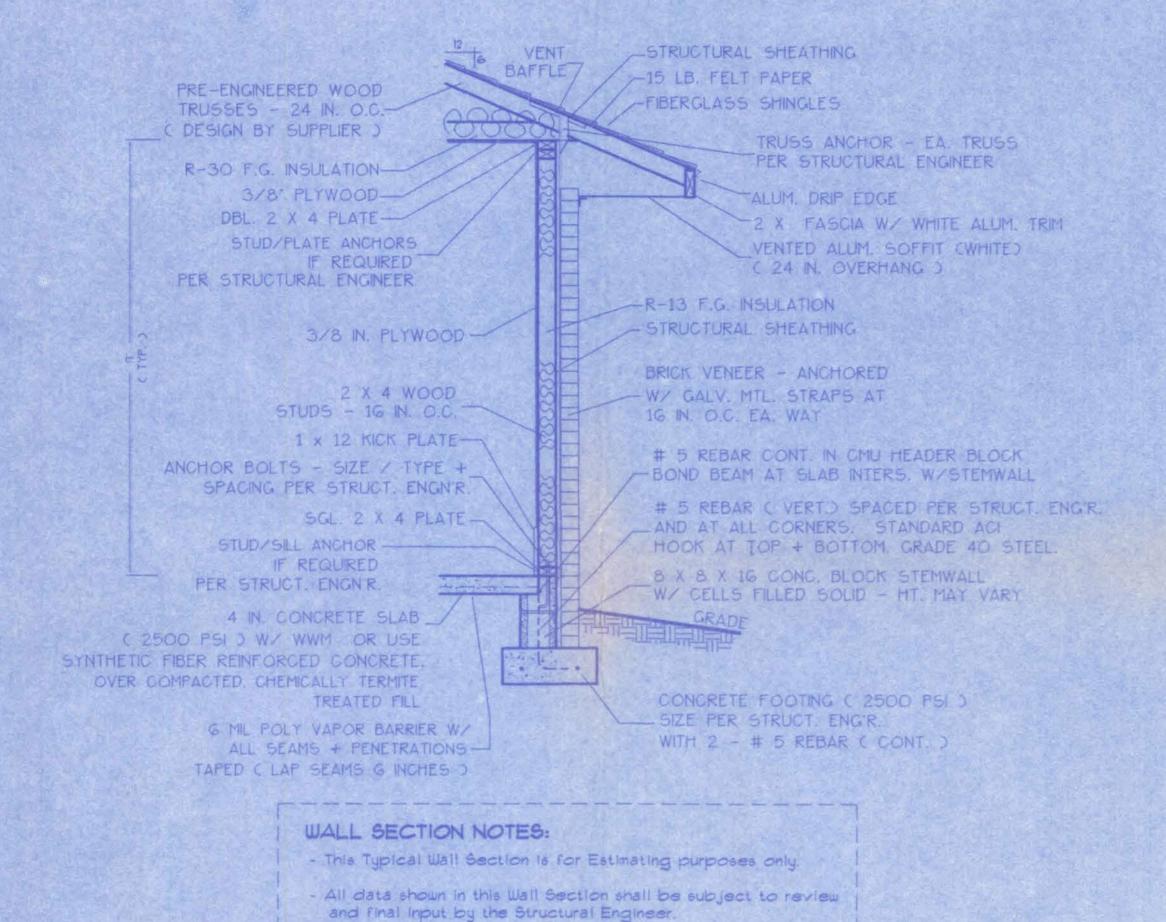
FOUNDATION NOTES:

- CONTRACTOR SHALL EXAMINE ROOF TRUSS PAN C BY SUPPLIER D TO DETERMINE ANY ADDITIONL BEARING REQUIREMENTS BEFORE FINALIZING THE FOUNDATION PLAN.
- ALL CONCRETE IS 2500 PSI STRENGTH (MIN.) VERIFY DIMENSIONS WITH FLOOR PLAN
- SITE ANALYSIS AND PREPARATION DATA IS NO A PART OF THIS PLAN AND IS THE RESPONSIBLIY OF THE CONTRACTOR / OWNER.





FOUNDATION PLAN SCALE: 1/4 IN. = 1 FT.



DESIGN WALL SECTION

NON-STRUCTURAL DATA

SCALE: 3/4 IN. = 1 FT.

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

CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code Residential 2004, Section R301.2.1 to the best of my knowledge.

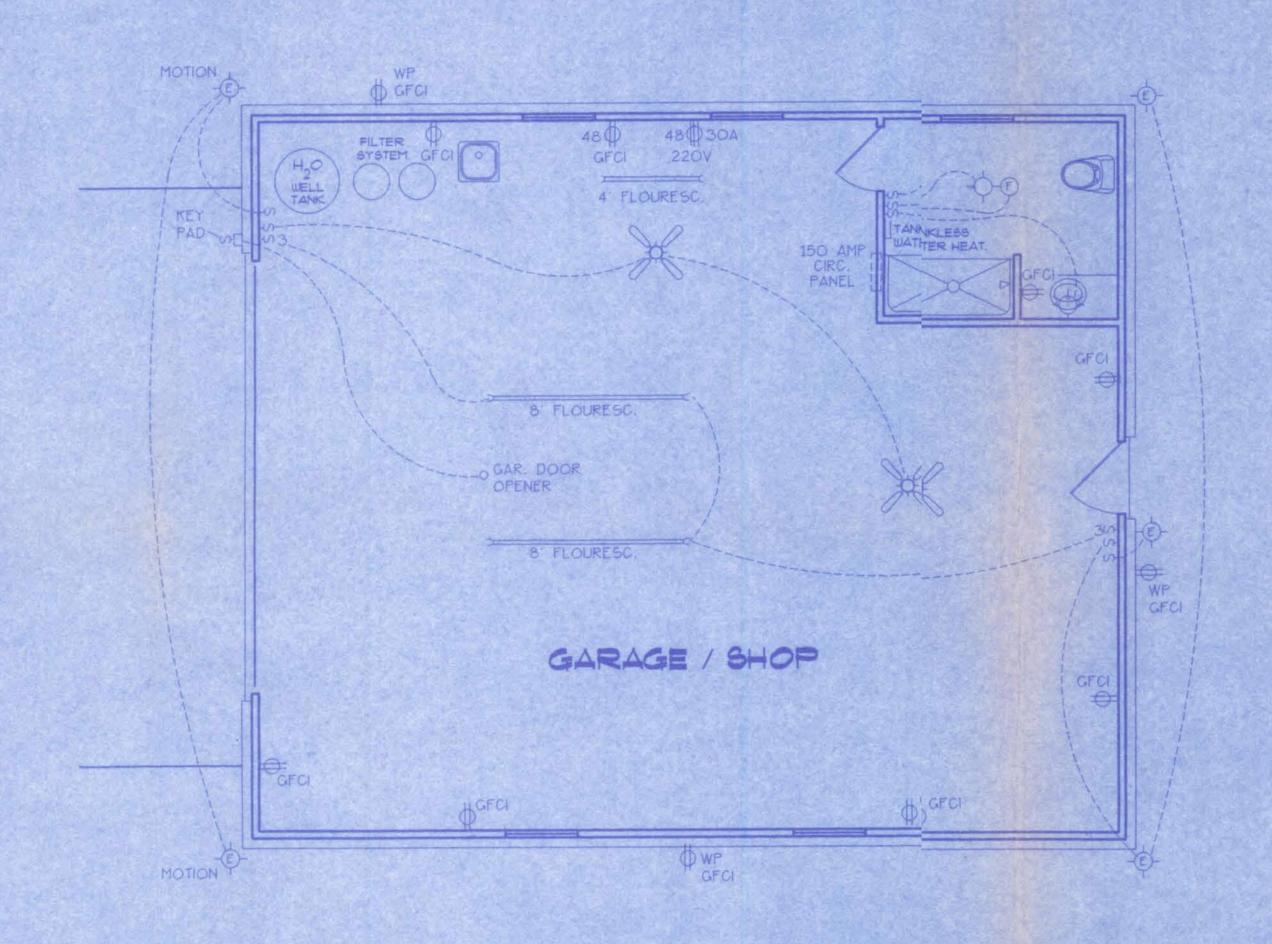
LIMITATION: This design is valid for one building, at specified location, permitted within 90 days of signature date. In case of conflict, structural requirements, scope of work, and builder responsibilities on sheet S-1 control.

SPRING DRIVE, LAKE CITY, FL

701255 Location: SEC. 12, T-3-5, R-15-E

BOUTWELL 1 OF 4 07-001 GARAGE 07001 1-24-07 RAWN: TIM DELBENE Drafting + Technical Services TAD HECK! 12 SW Sagewood Gh. Lake City. FL 32024 KtV Phone (386) 755-5891

MhDissung O [FEBOT/



ELECTRICAL PLAN

NOT TO SCALE

ELECTRICAL	SYMBOL LEGEND
	= FLOURESCENT LIGHTING FIXTURE.
\(\dag{\phi} \)	= CEILING LIGHT FIXTURE
•	= EXTERIOR LIGHTING FIXTURE
ş	= LIGHT SWITCH.
\$ 3	= THREE-WAY SWITCH
ф	= 110 V. DUPLEX OUTLET.
♦ 42	= SPECIAL HEIGHT 110 V. DUPLEX OUTLET
Ø ^{GFCI}	= GROUND FAULT CIRC. OUTLET
\$ ^{AFCI}	= ARC FAULT CIRC. OUTLET
ф	= 110 .V. SINGLE RECEPTACLE OUTLET.
€220V	= 220 VOLT OUTLET (4 WIRE)
×	= FAN LOCATION C GEILING D
0	= FAN. LOCATION C EXHAUST)
6	= SMOKE DETECTOR

ELECTRICAL PLAN NOTES

-WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

-CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

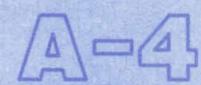
-ALL INSTALLATIONS SHALL BE PER NAT'L ELECTRIC CODE.

-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.

-ELECTRICAL CONT'R SHALL BE RESPONSIBLE FOR THE DESIGN + SIZING OF ELECTRICAL SERVICE AND CIRCUITS.

-ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD)
TO BE DETERMINED BY POWER COMPANY.



SPRING DRIVE, LAKE CITY, FL. SEC. 12, T-3-S, R-15-E

FILE: 07-001	BOUTWELL	SHEET: 1 OF 4					
0ATE: 1-24-07	GARAGE	CAD FILE 07001					
TAD	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV:					
CHECK:	192 SW Sagewood Gh. Lake City, FL 32024	REV.					

EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

ONE STORY WALL SECTION

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

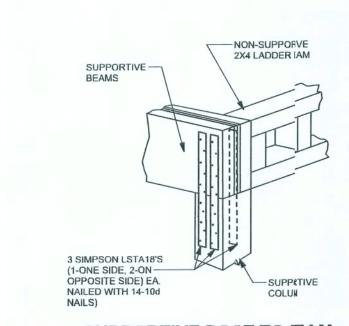
SEE STRUCTURAL PLAN

SEE STRUCTURAL PLAN

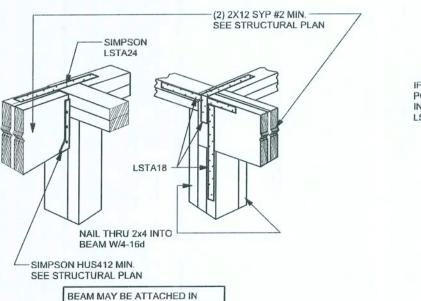
SCALE: N.T.S.

(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 HEIGHT TABLE IS PER WFCM 2001, TABLE 3.20B. EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS STUD SPACINGS SHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. EXAMPLE 16" O.C. x 0.85 = 13.6" O.C.



MIN. (SEE STRUCTURAL PLAN) SUPPORTIVE POST TO EAM DETAIL FOR SINGLE BE.M. **BEAM MID-WALL CONNECTION DETAIL** SCALE: N.T.S.

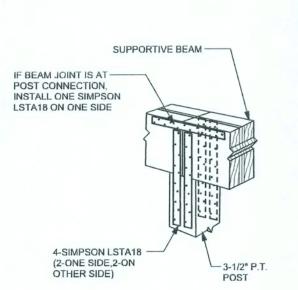


(4)-2x4 SPF #2 NAILED

TOGETHER W/2-16d NAILS AT 16" O.C.

BEAM CORNER CONNECTION. DETAIL SCALE: N.T.S.

EITHER METHOD SHOWN ABOVE



SUPPORTIVE CENTER POST TOBEAM DETAIL

NA OSB TO UPPER TOP PLATE FOR GIRDER TRUSS (IF)SSIBLE) OVER 600 LB UPLIFT OR NAIL OSB TO LOWER TOP PLATE & STRAP TRUSS TO LOWER TOP PLATE USE (2) MST16 FOR > 860 LB JPLIFT MTS16 ----H2.5A1-8d-12-10d X 1 1/2" 14-10d X 1 1/2" } (6) NAILS IN-└-8d, @ 3" O.C. OFFSET-└─8d, @ 3" O.C. LOWER TOP STUD & PLATE NAIL STRAP TO STUD

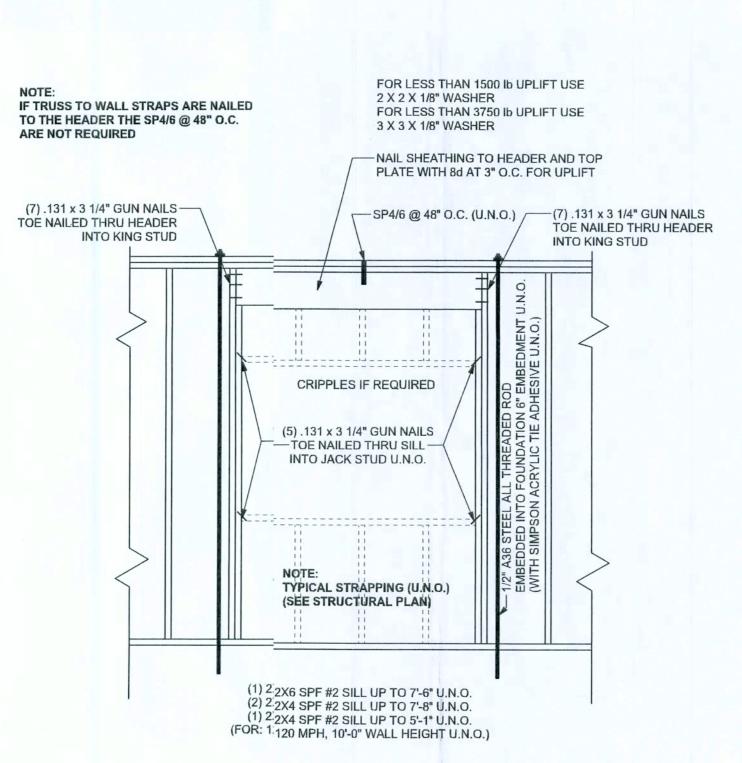
-SPLICE MAY BE OMITTED IF FULL 8d, @ :O.C.-HEIGHT SHEATHING COVERS ADD 2ND STUD 2X4 SI #2-UPPER TOP PLATE & BOTTOM FOR > 2500 LB BLOCKG PLATE 1" MIN. REACTION 8d, @ O.C. -1/2" MINIMUM EDGE 1/2" MINIMUM EDGE DISTANCE FOR ALL 1" MAXAP @ DISTANCE FOR ALL HORIZONTAL EDGES HORIZATAL HORIZONTAL EDGES SPLICE 7/16" GB -7/16" OSB-8d, @ O.C.-FOUDATION FOUNDATION FOUNDATION

WI - SHEATHING NAILING FOR TRUSS UPLIFT SCAL 1/2"=1'-0"

PLATE WITH 8d AT 3" O.C. FOR UPLIFT (6) .131 x 3 1/4" GUN NAILS--(6) .131 x 3 1/4" GUN NAILS -SP4 OR (2) H2.5A OR (2) SSP ----TOE NAILED THRU HEADER TOE NAILED THRU HEADER ALL OPENINGS 4'-0" OR LESS INTO KING STUD INTO KING STUD CRIPPLES IF REQUIRED (4) .131 x 3 1/4" GUN NAILS TOE NAILED THRU SILL-INTO JACK STUD U.N.O. TYPICAL STRAPPING (U.N.O.) (SEE STRUCTURAL PLAN) -SP4 OR (2) H2.5A OR (2) SSP -ALL OPENINGS 4'-0" OR LESS (1) 2 2X6 SPF #2 SILL UP TO 11'-0" U.N.O. (1) 2X4 SPF #2 SILL UP TO 7'-3" U.N.O.

- NAIL SHEATHING TO HEADER AND TOP

(FOR: 2: 110 MPH, 10'-0" WALL HIGHT U.N.O.) TYPICAL HEEADER STRAPING DETAIL (SP4/6)



TYPICAL 1 ST TORY HEADER STRAPING DETAIL
SCALE: 1/2" = 1'-0"

ANCHOD TABLE

< 4175

< 1400

< 3335

< 2200

< 2300

< 2320

< 3695

< 1400

< 3335

< 2200

< 2300

< 2320

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	Н3	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

18 - 16d

16-16d

16-16d

12-16d

12-16d

18 - 16d

PAHD42

HPAHD22

ABU66

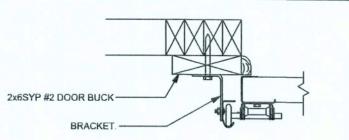
ABU88

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

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" WASHER LAG SCREWS MAY BE COUNTERSUNK. HORIZONTAL JAMBS DO NOT TRANSFER LOAD, CENTER LAG SCREWS OR STAGGER 16d NAILS OR (2) ROWS OF .131 x 3 1/4" GN PER TABLE BELOW:

DOOR WIDTH	3/8" x 4" LAG	16d STAGGER	(2) ROWS OF .131 x 3 1/4" GN
8' - 10'	24" O.C.	5" O.C.	5" O.C.
11' - 15'	18" O.C.	4" O.C.	4" O.C.
16' - 18'	16" O.C.	3" O.C.	3" O.C.



GARAGE DOOR BUCK INSTALLATION DETAIL

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" × 6" × 10" 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

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 WIND LOAD ENGINEER IMMEDIATELY.

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION R301.2.1 IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBC 2 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.

DESIGN DATA

5/8" AB

1/2" AB

1/2" AB

2-5/8" AB

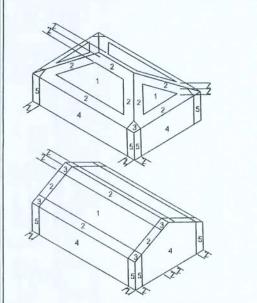
WIND LOADS PER FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTION R301.2.1 (ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS; MEAN ROOF HEIGHT NOT EXCEEDING LEAST HORIZONTAL DIMENSION OR 60 FT; NOT ON UPPER HALF OF HILL OR ESCARPMENT 60FT IN EXP. B, 30FT IN EXP. C AND >10% SLOPE AND 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 I.) 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

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

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



1	19.9	-21.8	18.1	-18.			
2	19.9	-25.5	18.1	-21.8			
2 O'hg		-40.6		-40.			
3	19.9	-25.5	18.1	-21.8			
3 O'hg		-68.3		-42.			
4	21.8	-23.6	18.5	-20.			
5	21.8	-29.1	18.5	-22.6			
Wor	Doors & Windows Worst Case (Zone 5, 10 ft2)						
8x7 Gar	19.5	-22.					
16x7 Ga	18.5	-21.0					
				_			

Zone Effective Wind Area (ft2)

	2×7		
SIGN	LOADS		
OOR	40 PSF (ALL OTHER DWELLING ROOMS)		
	30 PSF (SLEEPING ROOMS)		
	30 PSF (ATTICS WITH STORAGE)		
	10 PSF (ATTICS WITHOUT STORAGE, <3:12)		
OF	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

DRAWING NUMBER NOT IN FLOOD ZONE (BUILDER TO VERIFY)

OF 2 SHEETS

REVISIONS

PE to.53915, POB 868, Lake City, FL 3206, 386-754-5419

Stated dimensions supercede scaled

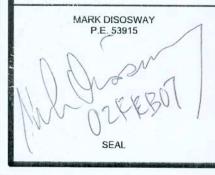
diminsions. Refer all questions to

Mar Disosway, P.E. for resolution. Do lot proceed without clarification Mar. Disosway, P.E. hereby expressly reserve its ommon law copyrights and property right in thee instruments of service. This document is not a be reproduced, altered or copied in any forn or manner without first the express writte

CEFTIFICATION: I hereby certify that I have xanined this plan, and that the applicable ortons of the plan, relating to wind enginee comly with section R301.2.1, florida building cod residential 2004, to the best of my

emission and consent of Mark Disosway.

LIMTATION: This design is valid for one builing, at specified location.



Frederick Perry

George Boutwell Garage

ADDRESS: Spring Drive Columbia County, Florida

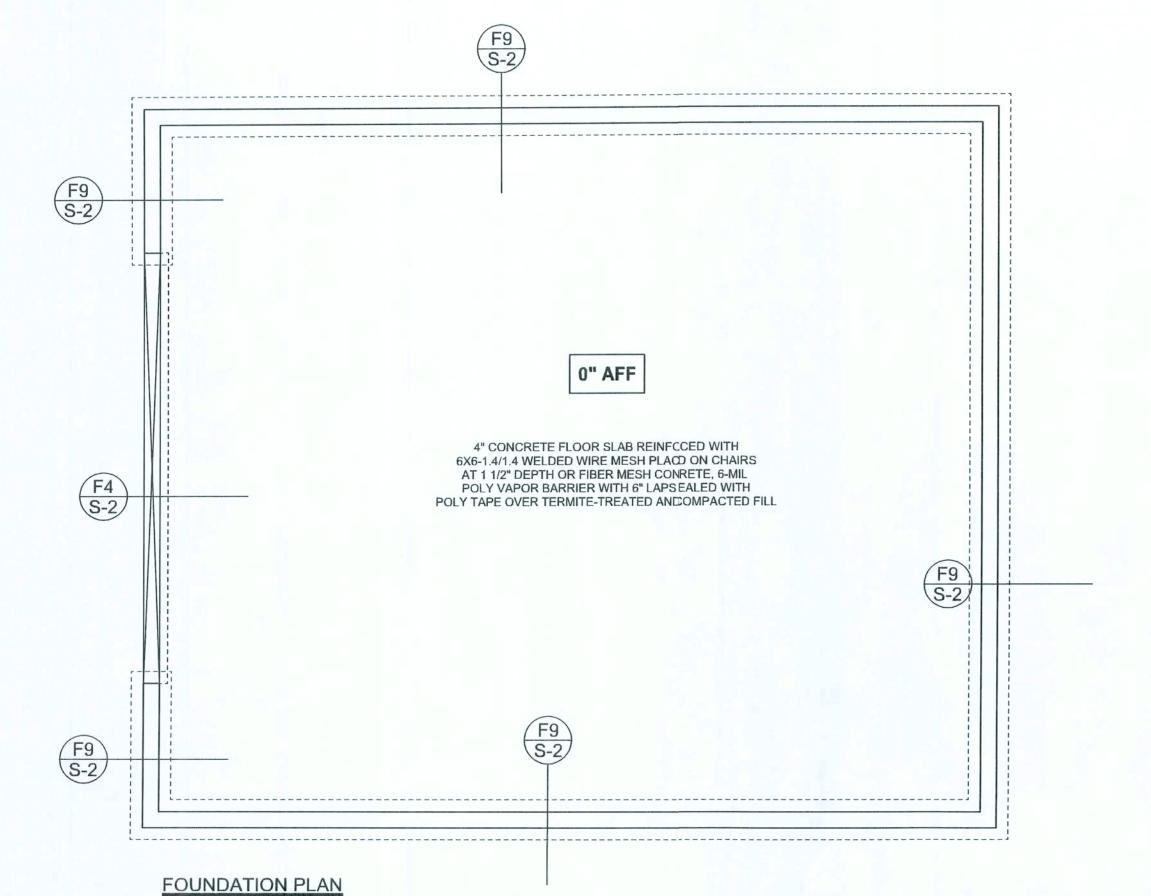
Mark Disosway P.E. P.O. Box 868 lake City, Florida 32056 Phone: (386) 754 - 5419 Fax: (386) 269 - 4871

PRINTED DATE February 02, 2007 TRAWN BY: STRUCTURAL BY

Evan Beamsley

2/ Feb / 07 JOB NUMBER 701255

FNALS DATE:



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

-4" CONCRETE SLAB 3000 - PSI AT 28 DAYS

-6 MIL VAPOR BARRIER

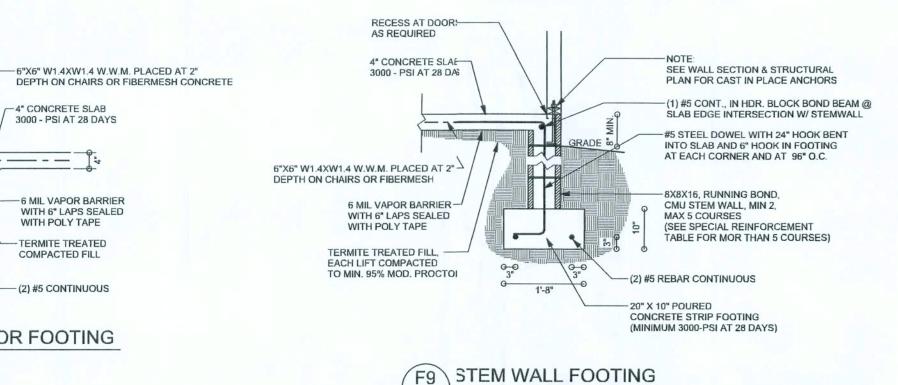
WITH 6" LAPS SEALED WITH POLY TAPE

TERMITE TREATED

- (2) #5 CONTINUOUS

COMPACTED FILL

_ _ _ _ _ _



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

TALL STEM WALL TABLE

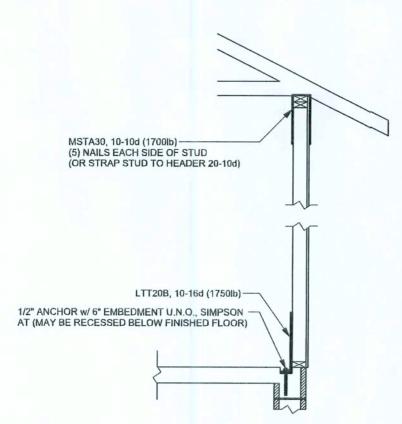
SCALE: 1/2" = 1'-0"

GARAGE DOOR -POCKET

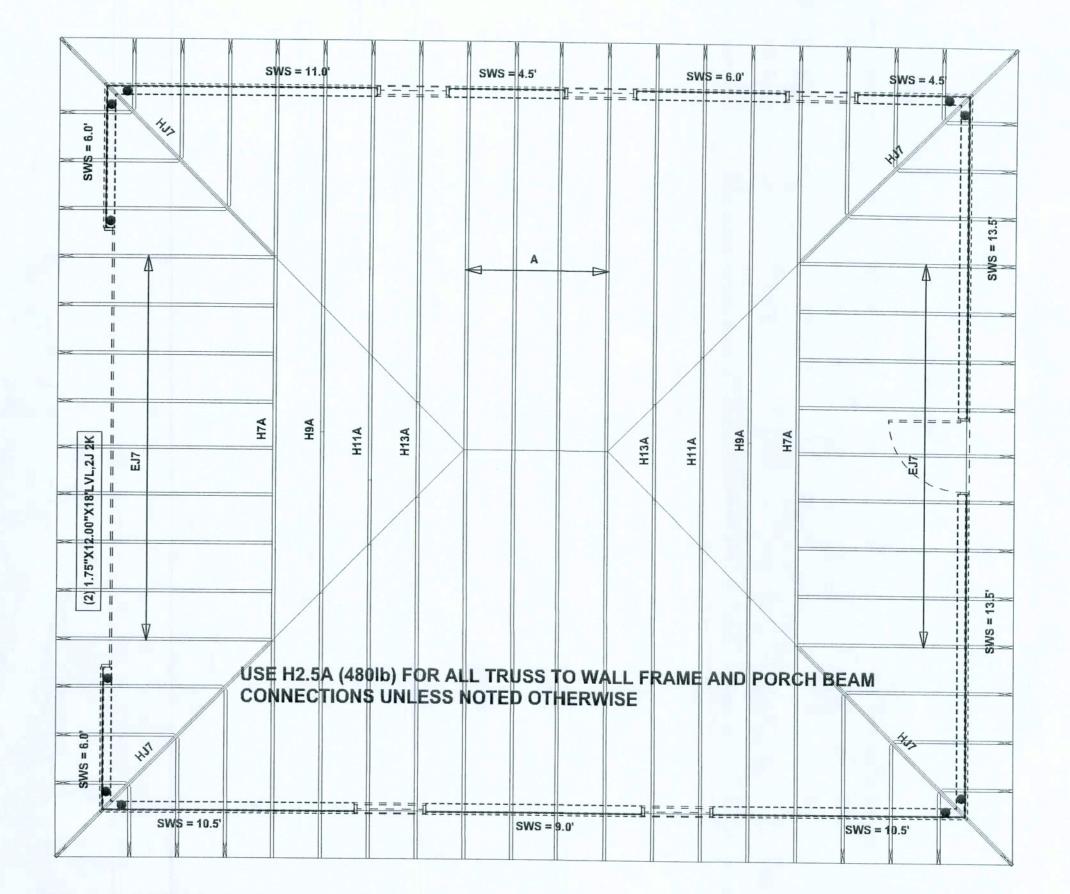
The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add 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.

GARAGE DOOR FOOTING

STEMWALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	FOR 8	AL REINFOI B" CMU STE INCHES O.	MWALL	FOR 1	AL REINFOR 2" CMU STE INCHES O.C	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



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



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

TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS TRANSVERSE | 11.7' | 39.0' LONGITUDINAL 10.2' 56.0'

THREADED ROD LEGEND HEADER LEGEND (2) 2X12X0',1J 1K HEADER/BEAM CALL-OUT (U.N.O.) -INDICATES LOCATION OF: 1ST FLOOR 1/2" A307 ALL THREADED ROD —NUMBER OF KING STUDS (FULL LENGTH) -INDICATES LOCATION OF: -NUMBER OF JACK STUDS (UNDER HEADER) 2ND FLOOR 1/2" A307 ALL THREADED ROD —SPAN OF HEADER SIZE OF HEADER MATERIAL

STRUCTURAL PLAN NOTES

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

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

DIMENSIONS ON STRUCTURAL SHEETS 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. 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	

---NUMBER OF PLIES IN HEADER

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. ANDERSON TRUSS CO. (JOB: FRED PERRY / BOUTWELL)

REVISIONS

SCFTPIXIN ARCHITETURAL DESIGN SOFTWARE

WINDLOAD ENGNEER: Mark Disosway, PE No.53915, PCB 868, Lake City, FL Stated dimension supercede scaled dimensions. Refe all questions to Mark Disosway, I.E. for resolution. Do not proceed without clarification. COPYRIGHTS AID PROPERTY RIGHTS: Mark Disosway, F.E. hereby expressly reserv 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 without first the express written permission and onsent of Mark Disosway. CERTIFICATION I hereby certify that I have examined this pla, and that the applicable portions of the pla, relating to wind engineerin comply with sectin R301.2.1, florida building code residential 204, to the best of my LIMITATION: Thi: design is valid for one building, at specifed location.

MARK DISOSWAY

P.E. 53915

Frederick Perry

George Boutwell Garage

ADDRESS: Spring Drive Columba County, Florida

Mark Disosway P.E. P.0. Box 868 Lake City, Florida 32056 Phone: (386) 754 - 5419 Fax: (316) 269 - 4871

PRNTED DATE: February 02, 2007 DRAWN BY: STRUCTURAL BY Evan Beamsley

FINALS DATE

2 / Feb / 07 JOBNUMBER: 701255

S-2

DRAVING NUMBER

Of 2 SHEETS