

## SECOND FLOOR PLAN

**797 SQFT** 

## ELECTRICAL INFO

ALL SMOKE DEDECTORS MUST BE HOT-WIRED AND WITH BATTERY BACKUP

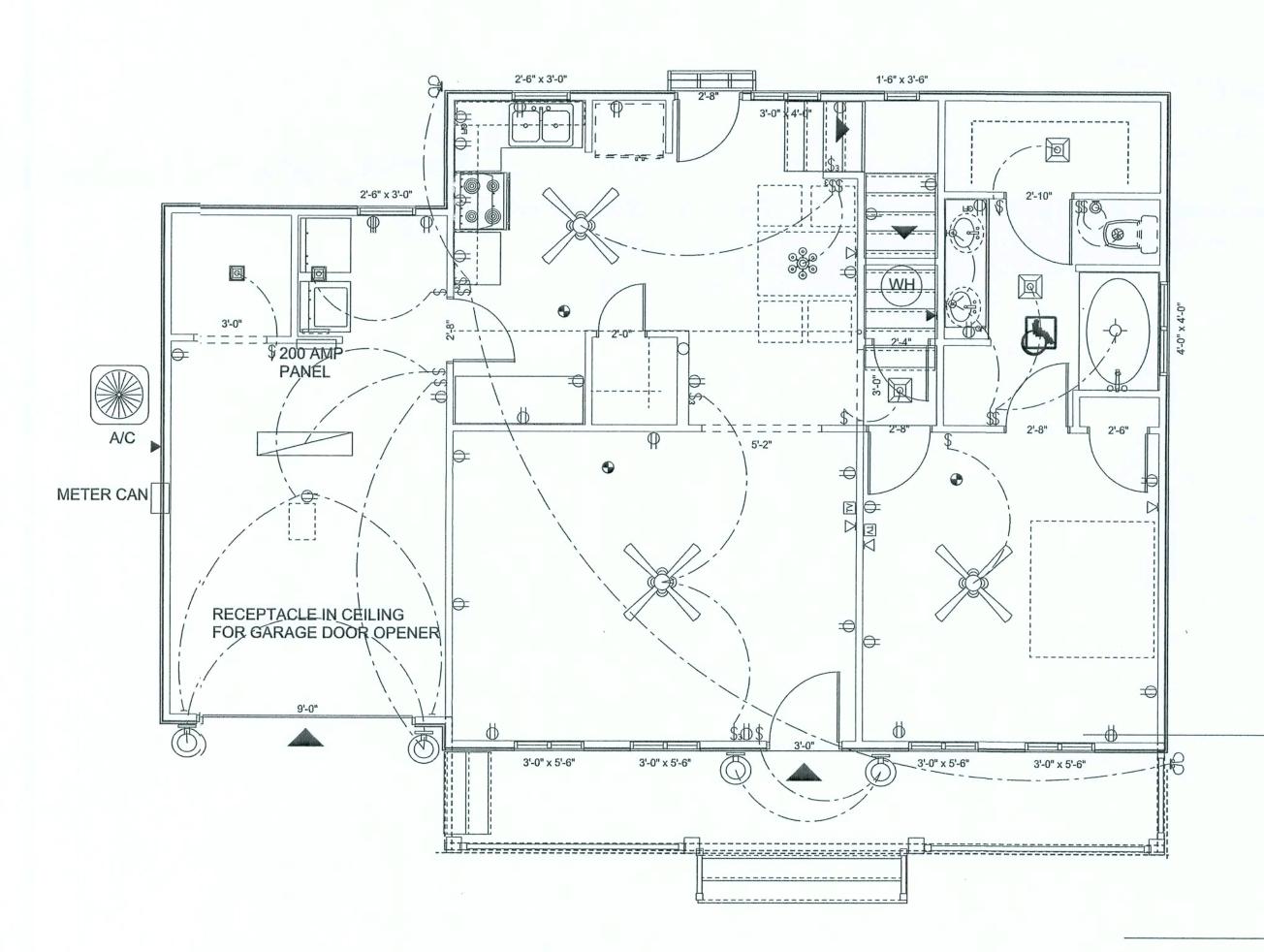
ALL WETROOMS HAVE GFCI-PROTECTION

ALL SLEEPING ROOMS WILL BE ON A.F.C.I. ARCE FAULT CIRCUIT INTERUPTER

ALL BATHROOMS HAVE EXHAUST FANS INSTALLED IN CEILING, VENT OVER ROOF **OR SOFIT** ALL BATHROOMS AND STAIR WAYS ARE HANDICAPPED ACCESSABLE

POWER SUPLY BY CLAY ELECTRIC COOP

BATH ROOMS SHALL HAVE



REVISIONS	

SOFTPLAN ARCHITECTURAL DESIGN CAPTURED

ELECTRICAL	COUNT	SYMBOL
ceiling fan spotlights 1	3	
ceiling fan spotlights 2	2	
ceiling lamp small	1	
ceiling shade square	5	
chandelier	1	0 <b>0</b> 0
double spotlight	2	QD
wall mount 1	5	Q
wall mount 2	2	o
wall sconce	3	<u>©</u>
electrical panel	1	1223
telephone jack	2	-
LAN connection	3	¥
cable tv outlet	4	īV
fan	1	₩
light	2	-\$-
outlet	43	ф
outlet 220v	1	•
outlet gfi	5	фая
smoke detector	5	•
switch	18	\$
switch 3 way	7	\$3
telephone	7	$\nabla$

# FIRST FLOOR PLAN

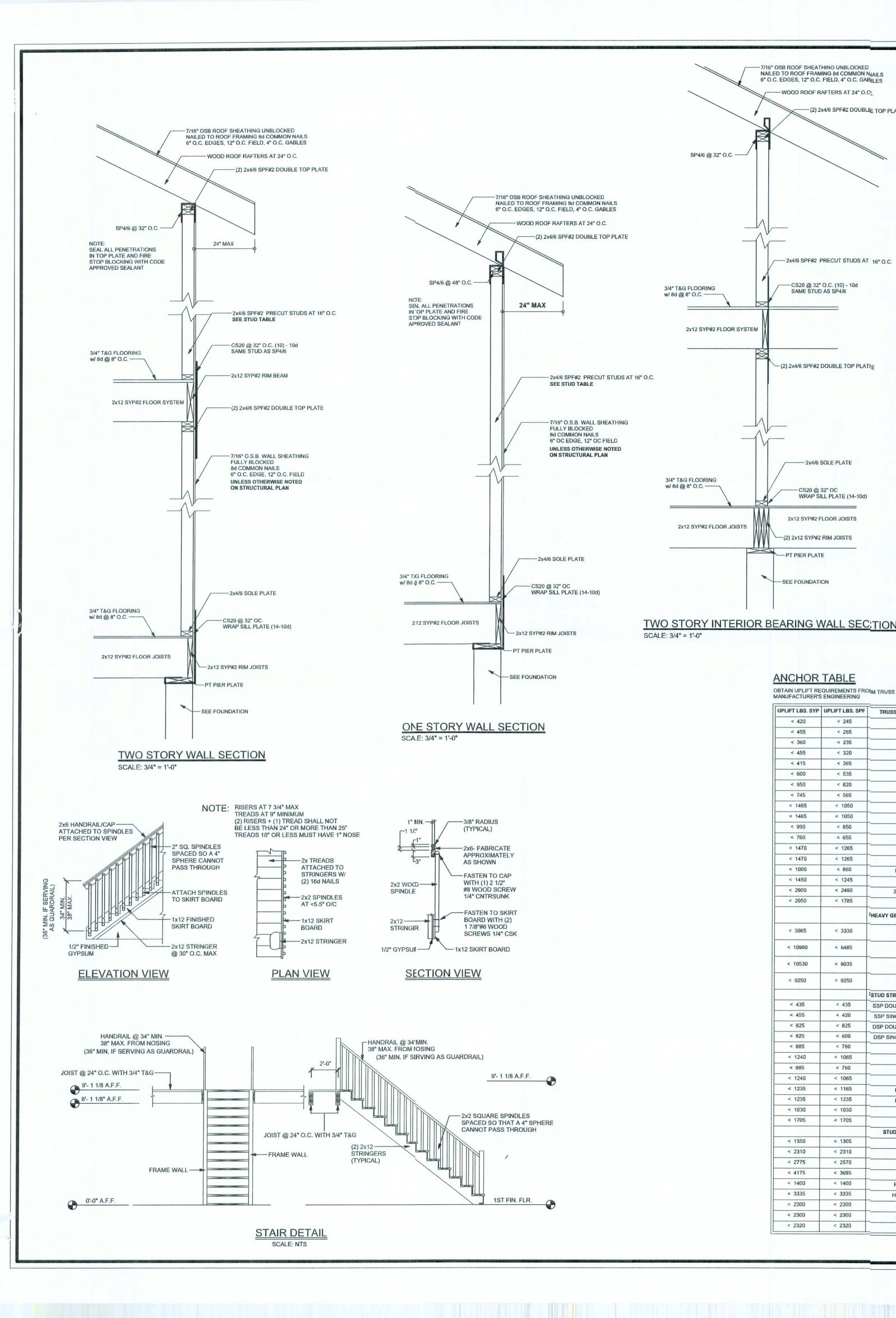
528.3 sqft under AC 868.0 sqft 2. Floor Total 1396.3 sqft under AC 269.8 sqft Garage 131.7 sqft Porches Total 1797.8 sqft

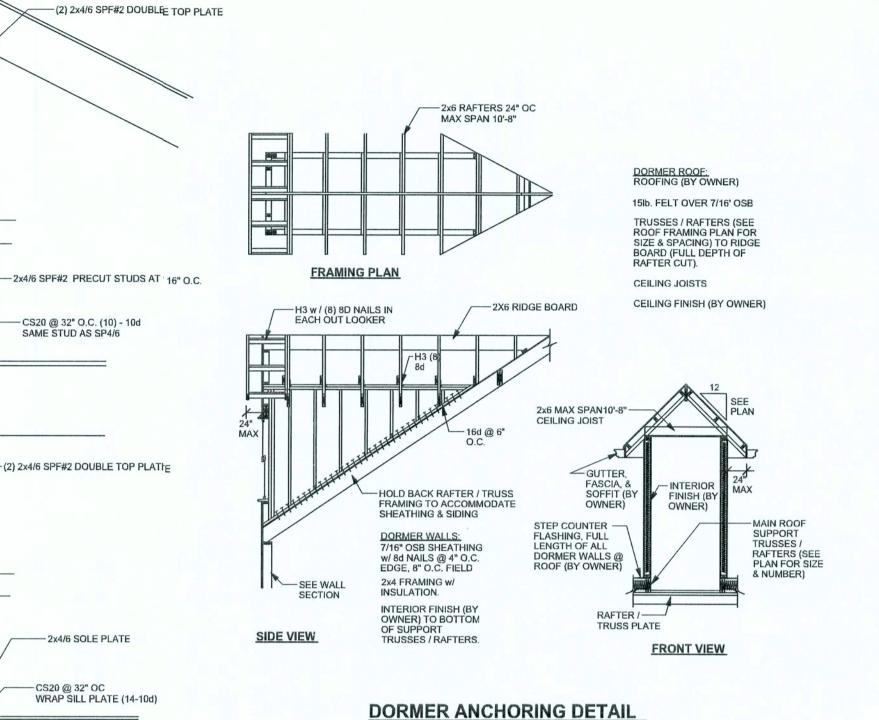
SPEC HOUSE **HOLLY BROOK** ADDRESS: ... DEANNA TERR LAKE CITY, FLORIDA COLUMBIA COUNTY LOT # 4 ELECTRIC **PLAN** PRINTED DATE: January 23, 2006 DESIGNED & DRAWN BY: WOLF SCHROM PO BOX 656 LIVE OAK, FL 32064 TEL/FAX: 386-364-4793 CELL: 813-786-0730 FINALES DATE: DEC/ 05 HOUSE TYPE: COTTAGE DRAWING NUMBER OF 5 SHEETS

**OWNER:** 

ADDRESS: PO BOX 656 LIVE OAK,FL 32064

WOLF SCHROM GC: 47190





SCALE: N.T.S.

TRUSS CONNECTOR\* TO PLATES TO RAFTER/TRUSS TO STUDS

4-8d

8-8d

5-10d, 1 1/2

12-8d, 1 1/2"

12-8d, 1 1/2"

8-8d, 1 1/2"

6-10d

14 -16d

16 -10d

TO FOUNDATION

1-5/8" THREADED ROD

12" EMBEDMENT

12" EMBEDMENT

2-5/8" THREADED ROD

12" EMBEDMENT

TO STUDS

4 -10d

4 -10d

8 -10d

8 -10d

6-10d, 1 1/2"

10-10d, 1 1/2"

6-10d, 1 1/2"

10-10d, 1 1/2"

TO FOUNDATION

1/2" AB

5/8" AB

5/8" AB

1/2" AB

1/2" AB

3-8d

4-8d

4-8d

4-8d

5-8d

8-8d

5-10d, 1 1/2"

13-8d

15-8d

8-8d, 1 1/2"

6-10d

14 -16d

2-10d

14-10d

16-10d

18-8d

28-8d

TO STUDS

8-16d

18-10d, 1 1/2

2-5/8" BOLTS

18 - 16d

16-16d

16-16d

12-16d

12-16d

10-10d, 1 1/2" 2-10d, 1 1/2"

10-10d, 1 1/2" 2-10d, 1 1/2"

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

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

H2.5A

H14-2

HTS24

2 - HTS24

LGT2

EAVY GIRDER TIEDOWNS

HGT-4

SSP DOUBLE TOP PLATE

DSP DOUBLE TOP PLATE

DSP SINGLE SILL PLATE

LSTA21

STUD ANCHORS

HD2A

HTT16

HPAHD22

- 2x4/6 SOLE PLATE

< 265

< 320

< 365

< 820

< 565

< 1050

< 1050

< 1265

< 1265

< 1245

< 1785

< 420

< 825

< 600

< 760

< 760

< 1065

< 1165

< 1235

< 1030

< 1705

< 1305

< 2310

< 2570

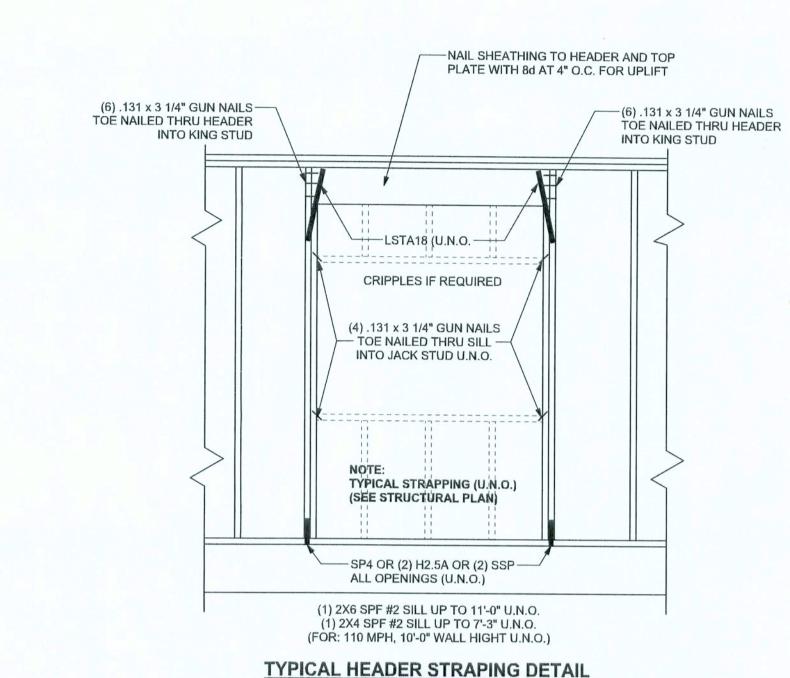
< 3695

< 1400

< 3335

< 2300

< 2320



### EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

1) 2x4 @ 16" OC	
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

EXAMPLE 16" O.C.  $\times$  0.85 = 13.6" O.C.

		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

**GRADE & SPECIES TABLE** 

### GENERAL NOTES:

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" W1.4 × 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 SLABS: 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 48 \* DB (30\* 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"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**

BEARING LOCATIONS.

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 FBC 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

### **DESIGN DATA**

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

WIND LOADS PER FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTION R301.2.1		
MEAN ROC	D SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS; F HEIGHT NOT EXCEEDING LEAST HORIZONTAL DIMENSION OR 60 FT; NOT HALF OF HILL OR ESCARPMENT 60FT IN EXP. B, 30FT IN EXP. C AND >10% D UNOBSTRUCTED UPWIND FOR 50x HEIGHT OR 1 MILE WHICHEVER IS LES	

BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE

BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION

) BASIC WIND SPEED = 110 MPH .) WIND EXPOSURE = B

WIND IMPORTANCE FACTOR = 1.0

4.) BUILDING CATEGORY = II

5.) ROOF ANGLE = 10-45 DEGREES .) MEAN ROOF HEIGHT = <30 FT

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

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

Zone Effective Wind Area (ft2) 19.9 -21.8 | 18.1 | -18.1 19.9 -25.5 18.1 -21.8 Doors & Windows 21.8 -29.1 Worst Case (Zone 5, 10 ft2) 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)

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

**REVISIONS** 

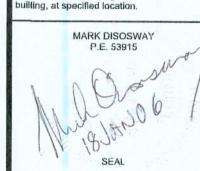
SOFTPLAN

taed dimensions supercede scaled imensions. Refer all questions to Mak Disosway, P.E. for resolution Do not proceed without clarification.

COYRIGHTS AND PROPERTY RIGHTS: Maк Disosway, P.E. hereby expressly reserve ts common law copyrights and property right not to be reproduced, altered or copied in any forn or manner without first the express writte

ernission and consent of Mark Disosway. xanined this plan, and that the applicable portons of the plan, relating to wind engineering comply with section R301.2.1, Florida Building Core 2004 Residntial to the best

LIMTATION: This design is valid for one



SPEC HOUSE HOLLY BROOK LOT #4

> ADDRESS: 528 Deanna Terr. Lake City, Florida

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

PRINTED DATE: January 18, 2006 CHECKED BY:

FNALS DATE: 1B / Jan/ 06 JOB NUMBER:

DRAWING NUMBER

OF 2 SHEETS

