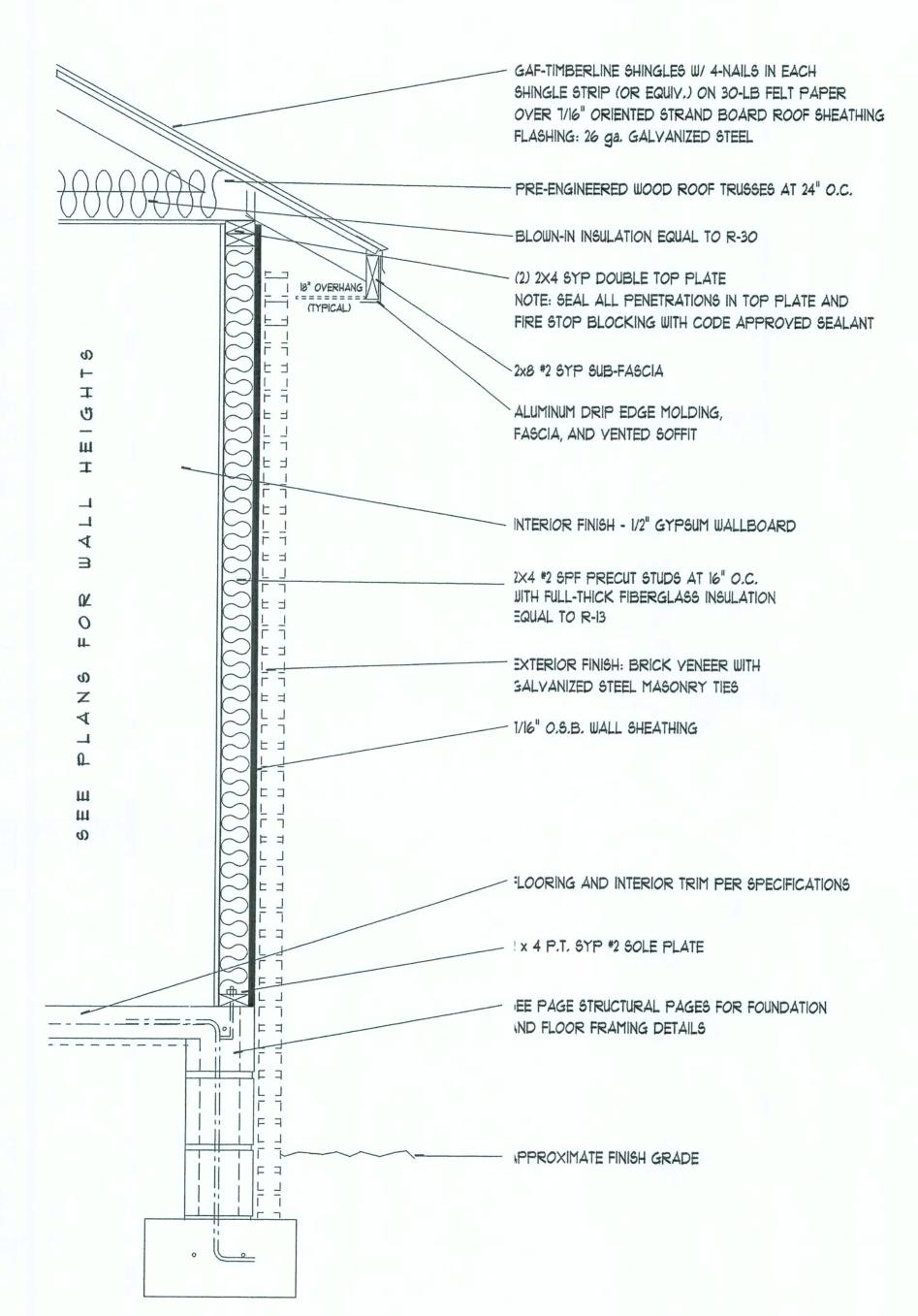
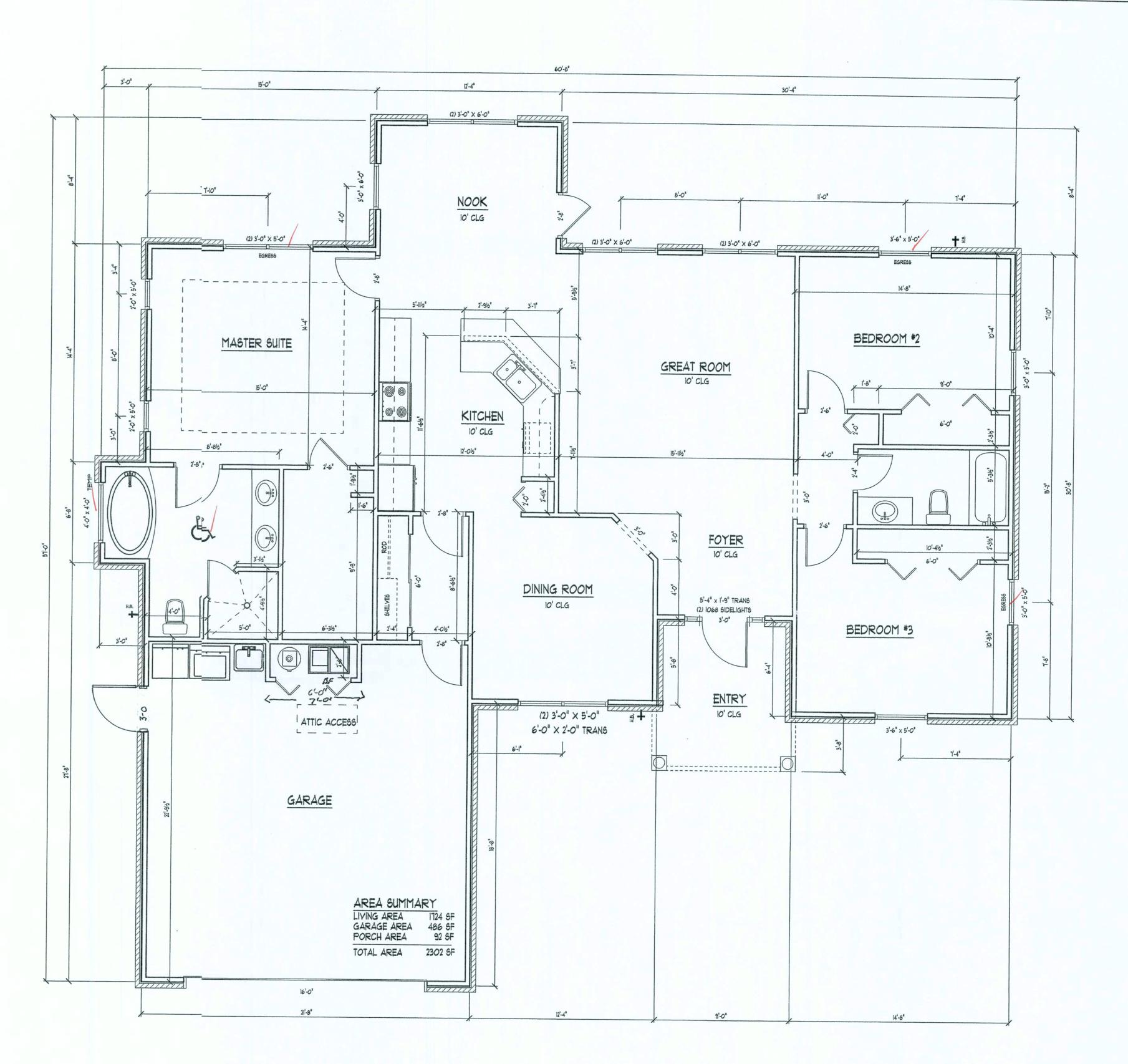


Daniel Shaheen



TYPICAL WALL SECTION

SCALE: 1" = 1'0" REFER TO STRUCTURAL PAGE FOR STRUCTURAL SPECIFICATIONS



January 09, 2006 Studios

ARCHITECTURA O DESIGN P.O. BOX 273 LAKE CITY FL. 32056 (386) 754-3181

COPYRIGHTED BY:

ENGINEERED BY:

PROJECT NFO:

SHEET NUMBER 2 of 3

All work shall comply with the standard building code, and all applicable local codes and ordinaces.

Contractor shall varify all dimensions prior to commencing constuction.

Daniel Shaheen

January 09, 2006

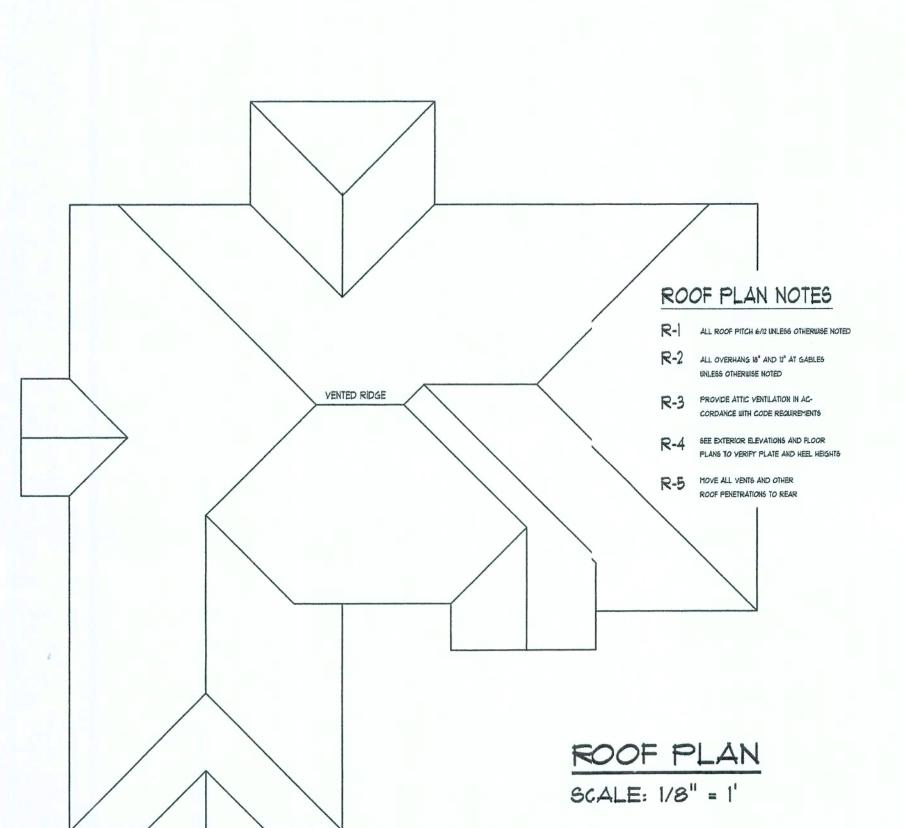
ARCHITECTURAL O DESIGN P.O. Box 273 LAKE CITY FL 32056 (386) 754-0181

COPYRIGHTED BY:

ENGINEERED BY:

PROJECT NFO:

Overcurrent protection device shall be installed on the

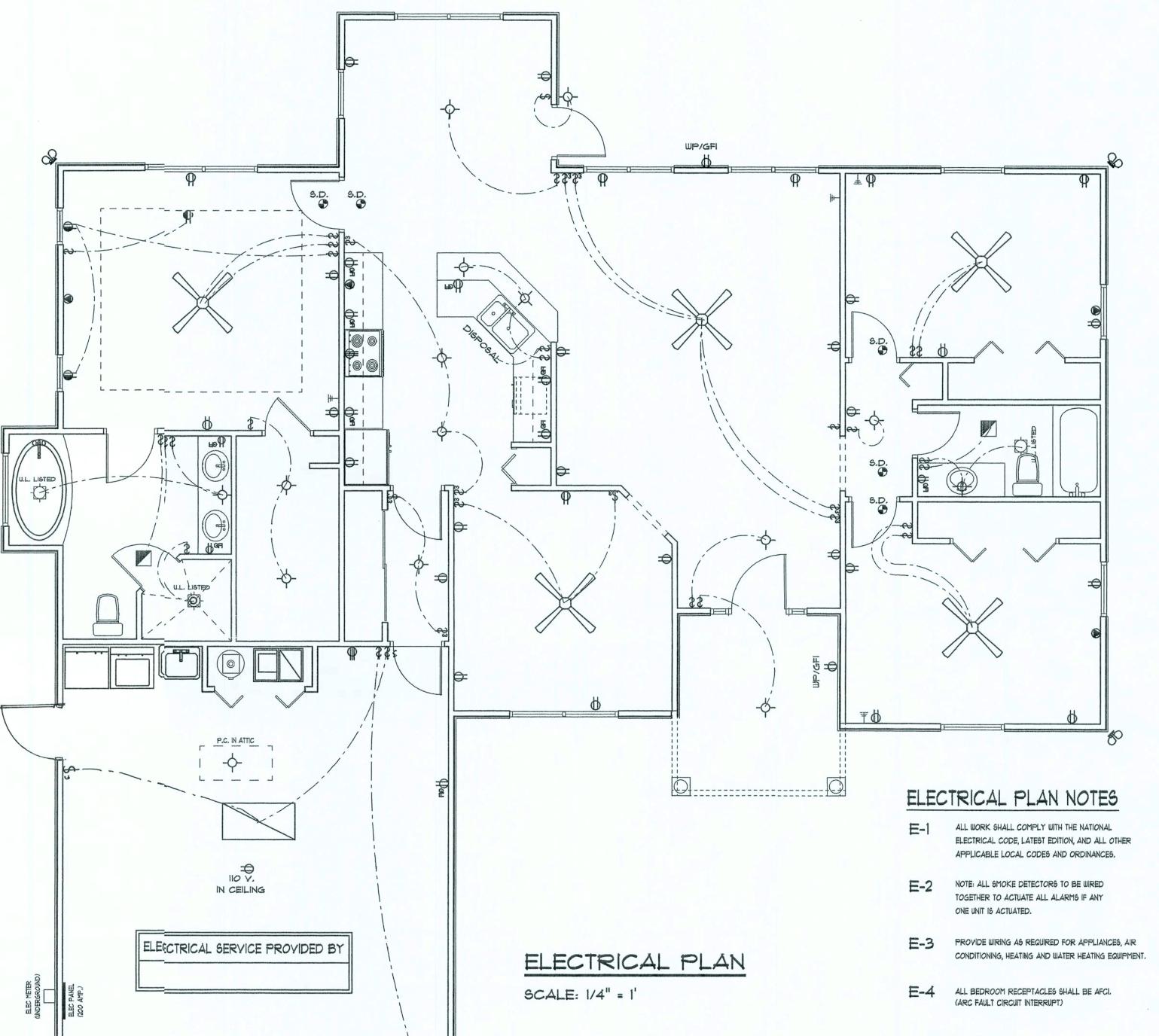


NOTE:

THIS ELECTRICAL PLAN IS A SCHEMATIC WITH SUGGESTED SWITCH, RECEPTACLE, AND LIGHT FIXTURE LOCATIONS. DUE TO

VARYING LOCAL AND STATE CODES, REGULATIONS, AND STATUTES, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO COMPLY WITH ALL LOCAL

AND STATE CODES, REGULATIONS AND STATUTES.



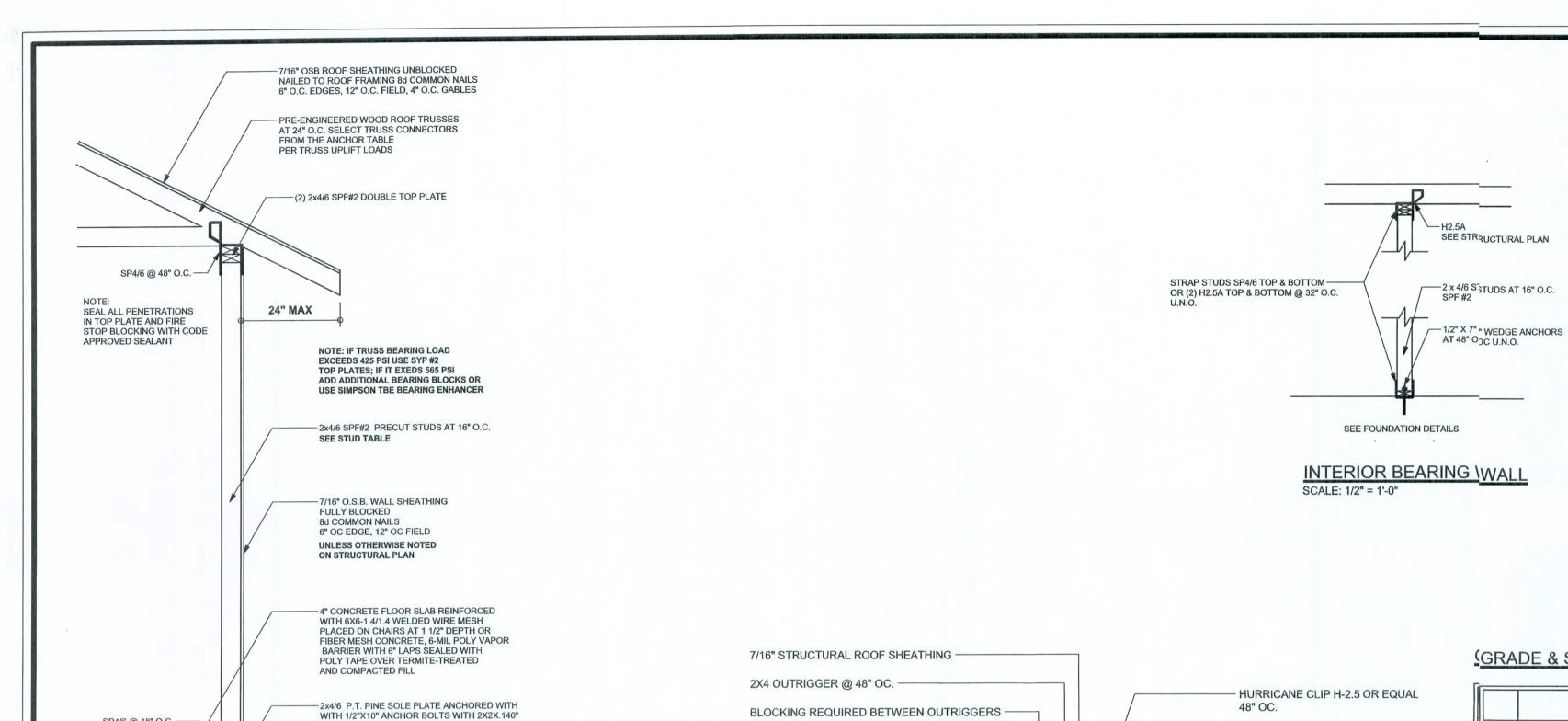
exterior of structures to serve as a disconnecting means.

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 equipment ground.

> SHEET NUMBER 3 of 3

All work shall comply with the standard building code, and all applicable local codes and ordinances. Contractor shall rerify all

dimensions prior to commencing contruction.



(3) .131 X 3 1/4 " GUN NAILS ---

4' FROM GABLE END ---

2X4 BLOCKING @ SHEATHING JOINT

2X4 X-BRACE @ 6'-0" OC. -

**TYPICAL GABLE END (X-BRACING)** 

ALL MEMBERS SHALL BE SYP

### ONE STORY WALL SECTION SCALE: 3/4" = 1'-0"

SP4/6 @ 48" O.C. -

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

STEEL WASHER 48" O.C. & 8" FROM CORNERS

FINISH GRADE

| (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 RESISTING INTERIOR ZONE WINDLOADS 110 MPH EXPOSURE B. STUD SPACINGS SHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING.

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

# **GRADE & SPECIES TABLE**

AT 48" O<sub>DC</sub> U.N.O.

2X4 BARGE RAFTER CONT.

TOP CHORD OF GABLE END TRUSS

CONT. 2X4 SCAB FROM TOP TO

BOTTOM CHORD @ X-BRACING

(PROVIDE ADDITIONAL 2X4'S @

VERTICAL IF HIGHER THAN 48" TO FORM AN "L" SHAPE.)

PLATE w/ 16d COM @8" OC.

BOTTOM CHORD OF GABLE

SIMPSON LSTA 24 @ 48" OC.

- 2X4 STUDS @16" OC.

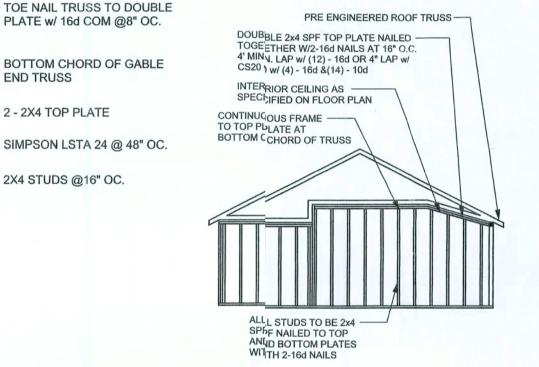
- SHINGLE STRIP

DROP 3 1/2"

**END TRUSS** 

- FASCIA

|      |              | 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     | 1600     | 1.9                     |
| PSL  | PARALAM      | 2900     | 2.0                     |



CONTINUOUS FRAME TO **CEILING DIAPHRAGM DETAIL** SCALEE: N.T.S.

-NAIL SHEATHING TO HEADER AND TOP

## **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" 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"  $\times$  2"  $\times$  9/64"; WITH 5/8" BOLTS TO BE 3"  $\times$  3"  $\times$  9/64"; WITH 3/4" BOLTS TO BE 3"  $\times$  3"  $\times$  9/64"; WITH 7/8" BOLTS TO BE 3"  $\times$  3"  $\times$  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

|                    | D OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARI<br>DT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK.                                         |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | ITIONS, FOUNDATION BEARING CAPACITY, GRADE AND<br>ND SPEED AND DEBRIS ZONE, AND FLOOD ZONE.                                                        |
|                    | AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH FBCR 2004 THE STATED WIND VELOCITY AND DESIGN PRESSURES.                                            |
| BELIEVE THE PLAN C | OUS LOAD PATH FROM TRUSSES TO FOUNDATION. IF YOU MITS A CONTINUOUS LOAD PATH CONNECTION, CALL NEER IMMEDIATELY.                                    |
| DESIGN, PLACEMENT  | IANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, INNECTIONS, 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 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 2001 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.

**MASONRY NOTES:** MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER

|                                          | ACI530.1-02 Section              | Specific Requirements                                                                                                                                                                     |  |  |
|------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1.4A                                     | Compressive strength             | 8" block bearing walls F'm = 1500 psi                                                                                                                                                     |  |  |
| 2.1                                      | Mortar                           | ASTM C 270, Type N, UNO                                                                                                                                                                   |  |  |
| 2.2                                      | Grout                            | ASTM C 476, admixtures require approval                                                                                                                                                   |  |  |
| 2.3                                      | CMU standard                     | ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block                                                                    |  |  |
| 2.3                                      | Clay brick standard              | ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5"                                                                                                                                       |  |  |
| 2.4                                      | Reinforcing bars, #3 - #11       | ASTM 615, Grade 60, Fy = 60 ksi, Lap splices min 48 bar dia. (30" for #5)                                                                                                                 |  |  |
| 2.4F                                     | Coating for corrosion protection | Anchors, sheet metal ties completely embedded in mortar or grout, ASTM A525, Class G60, 0.60 oz/ft2 or 304SS                                                                              |  |  |
| 2.4F Coating for corrosion protection    |                                  | Joint reinforcement in walls exposed to<br>moisture or wire ties, anchors, sheet meta<br>ties not completely embedded in mortar of<br>grout, ASTM A153, Class B2, 1.50 oz/ft2<br>or 304SS |  |  |
| 3.3.E.2 Pipes, conduits, and accessories |                                  | Any not shown on the project drawings require engineering approval.                                                                                                                       |  |  |
| 3.3.E.7 Movement joints                  |                                  | Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings.                                                                           |  |  |

### **ANCHOR TABLE**

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

**DESIGN DATA** 

| UPLIFT LBS. SYP         | UPLIFT LBS. SPF |                        | TO PLATES      | TO RAFTER/TRUSS | TO STUDS                            |
|-------------------------|-----------------|------------------------|----------------|-----------------|-------------------------------------|
| < 420                   | < 420 < 245 H5A |                        | 3-8d 3-8d      |                 |                                     |
| < 455 < 265 H5          |                 | 4-8d                   | 4-8d           |                 |                                     |
| < 360                   | < 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<br>12" EMBEDMENT |
| < 10980 < 6485          |                 | HGT-2                  | HGT-2 16 -10d  |                 | 2-5/8" THREADED RO<br>12" EMBEDMENT |
| < 10530 < 9035          |                 | HGT-3                  |                | 16 -10d         | 2-5/8" THREADED RO<br>12" EMBEDMENT |
| < 9250                  | < 9250          | HGT-4                  |                | 16 -10d         | 2-5/8" THREADED RO<br>12" EMBEDMENT |
|                         |                 | STUD STRAP CONNECTOR*  |                |                 | TO STUDS                            |
| < 435                   | < 435           | SSP DOUBLE TOP PLATE   | 3 -10d         |                 | 4 -10d                              |
| < 455 < 420 < 825 < 825 |                 | SSP SINGLE SILL PLATE  | 1 -10d         |                 | 4 -10d                              |
|                         |                 | 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          |                 |                                     |
|                         | 8               | STUD ANCHORS*          | TO STUDS       |                 | TO FOUNDATION                       |
| < 1350 < 1305 LTT19     |                 | 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                           |

WIND LOADS PER FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTION R301.2.1

BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE

INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)

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

Zone Effective Wind Area (ft2)

? O'hg -40.6

Worst Case

(Zone 5, 10 ft2)

19.9 -21.8 18.1 -18.1

19.9 -25.5 18.1 -21.8

3 19.9 -25.5 18.1 -21.8

4 21.8 -23.6 18.5 -20.4

5 21.8 -29.1 18.5 -22.6

Doors & Windows | 21.8 | -29.1

8x7 Garage Door 19.5 -22.9

16x7 Garage Door 18.5 -21.0

-68.3

BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION

1.) BASIC WIND SPEED = 110 MPH

3.) WIND IMPORTANCE FACTOR = 1.0

5.) ROOF ANGLE = 10-45 DEGREES

6.) MEAN ROOF HEIGHT = <30 FT

2.) WIND EXPOSURE = B

4.) BUILDING CATEGORY = II

DESIGN LOADS

FLOOR 40 PSF (ALL OTHER DWELLING ROOMS)

10 PSF (ATTICS WITHOUT STORAGE, <3:12)

30 PSF (SLEEPING ROOMS) 30 PSF (ATTICS WITH STORAGE)

16 PSF (4:12 TO <12:12)

NOT IN FLOOD ZONE (BUILDER TO VERIFY)

12 PSF (12:12 AND GREATER)

STAIRS 40 PSF (ONE & TWO FAMILY DWELLINGS)

ROOF 20 PSF (FLAT OR <4:12)

SOIL BEARING CAPACITY 1000PSF

(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.)

REVISIONS

PE No.53915, PCB 868, Lake City, FL 32056, 386-754-5119

tated dimension supercede scaled dimensions. Refe all questions to Mark Disosway, F.E. for resolution. Do not proceed wthout clarification.

COPYRIGHTS AID PROPERTY RIGHTS: Mark Disosway, F.E. hereby expressly reser s common law copyrights and property right in these instruments of service. This document not to be reprodued, altered or copied in any form or manner wthout first the express writter ermission and consent of Mark Disosway.

xamined this plan, and that the applicable portions of the plan, relating to wind engin comply with section R301.2.1, florida building code residential 2004, to the best of my nowledge.

CERTIFICATION I hereby certify that I have

IMITATION: This design is valid for one

building, at specifed location. P.E. 53915

Ewpl, Inc. Spec House Lot 17

ADDRESS: Lot 17 Relling Meadows S/D Columbia County, Florida

Rolling Meadows S/D

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

Fax: (336) 269 - 4871 PRINTED DATE: February 07, 2006 DRAWN BY: CHECKED BY:

FINALS DATE: 07 / Feb / 06 JOBNUMBER:

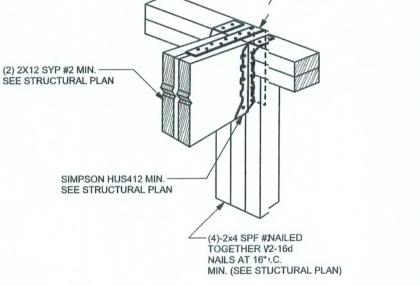
602074

DRAWNG NUMBER **S-1** 

**OF3 SHEETS** 

SIMPSON H2.5A U.N.O. -SEE STRUCTURAL PLAN -(2) 2X10 SYP #2 U.N.O. SEE STRUCTURAL PLAN (2) SIMPSON LSTA21w/ (8) -16d TO HEADER AND (8) -16d TO POST -6X6 SYP #2 POST SIMPSON ABU POST BASE w/ (12) - 16d & 5/8" x 10" ANCHOR BOLT SEE FOOTING DETAILS

> TYPICAL PORCH POST DETAIL SCALE: 1/2" = 1'-0"



2X4 SCAB CONT. TOP TO

CHORD@ 8' FROM GABLE -

2X4 SCAB IF VERT. WEB IS

CONT. 2X4X8' #2 SYP LATERAL

2X4 BLOCKING @ 48" OC.

BETWEEN GABLE AND FIRST -

4 - 10d NAILS OR 4 - .131"x 3.25"

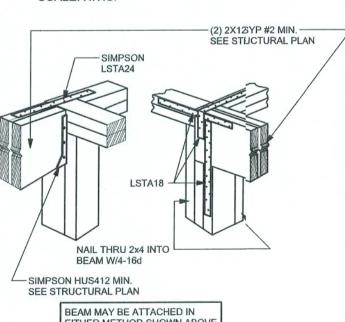
TYPICAL AT ALL CONNECTIONS -

BOTTOM

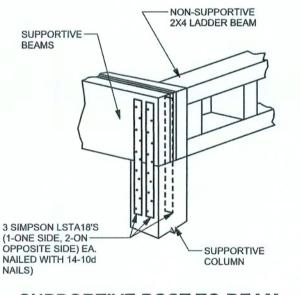
NOT PRESENT -

BRACE @ 48" OC. -

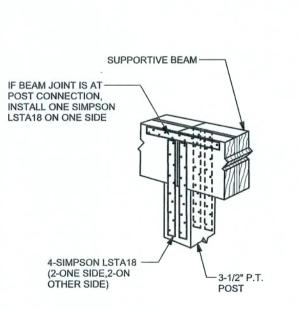
BEAM MID-WALL CONNECTION DETAIL SCALE: N.T.S.



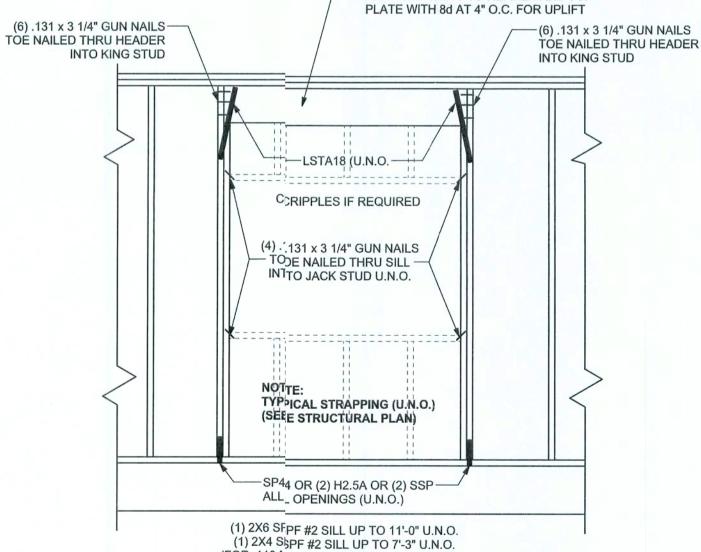
**BEAM CORNER CONNECTION. DETAIL** SCALE: N.T.S.



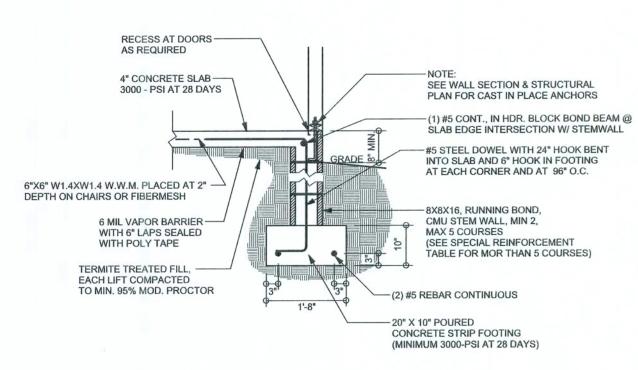
SUPPORTIVE POST TO BEAM **DETAIL FOR SINGLE BEAM** SCALE: N.T.S.



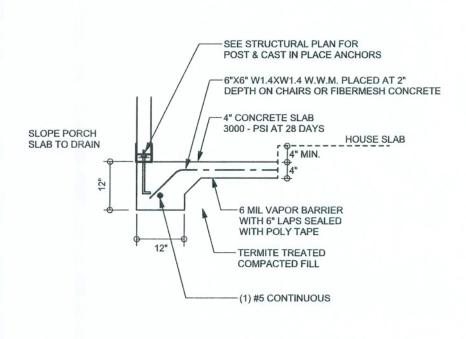
SUPPORTIVE CENTER POST TO BEAM DETAIL



(FOR: 110 MMPH, 10'-0" WALL HIGHT U.N.O.)



F9 STEM WALL FOOTING S-2 SCALE: 1/2" = 1'-0"

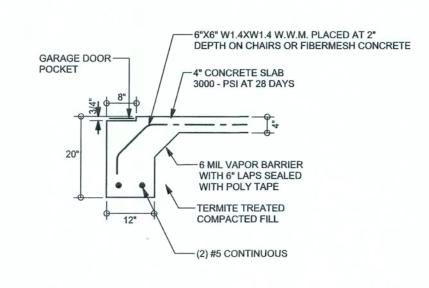


F5 PORCH FOOTING

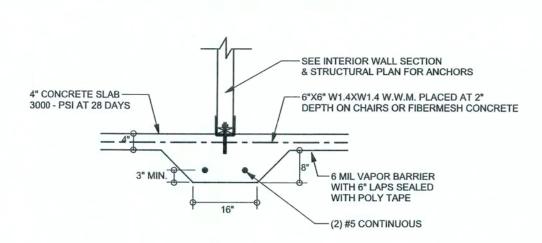
### TALL STEM WALL TABLE

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.

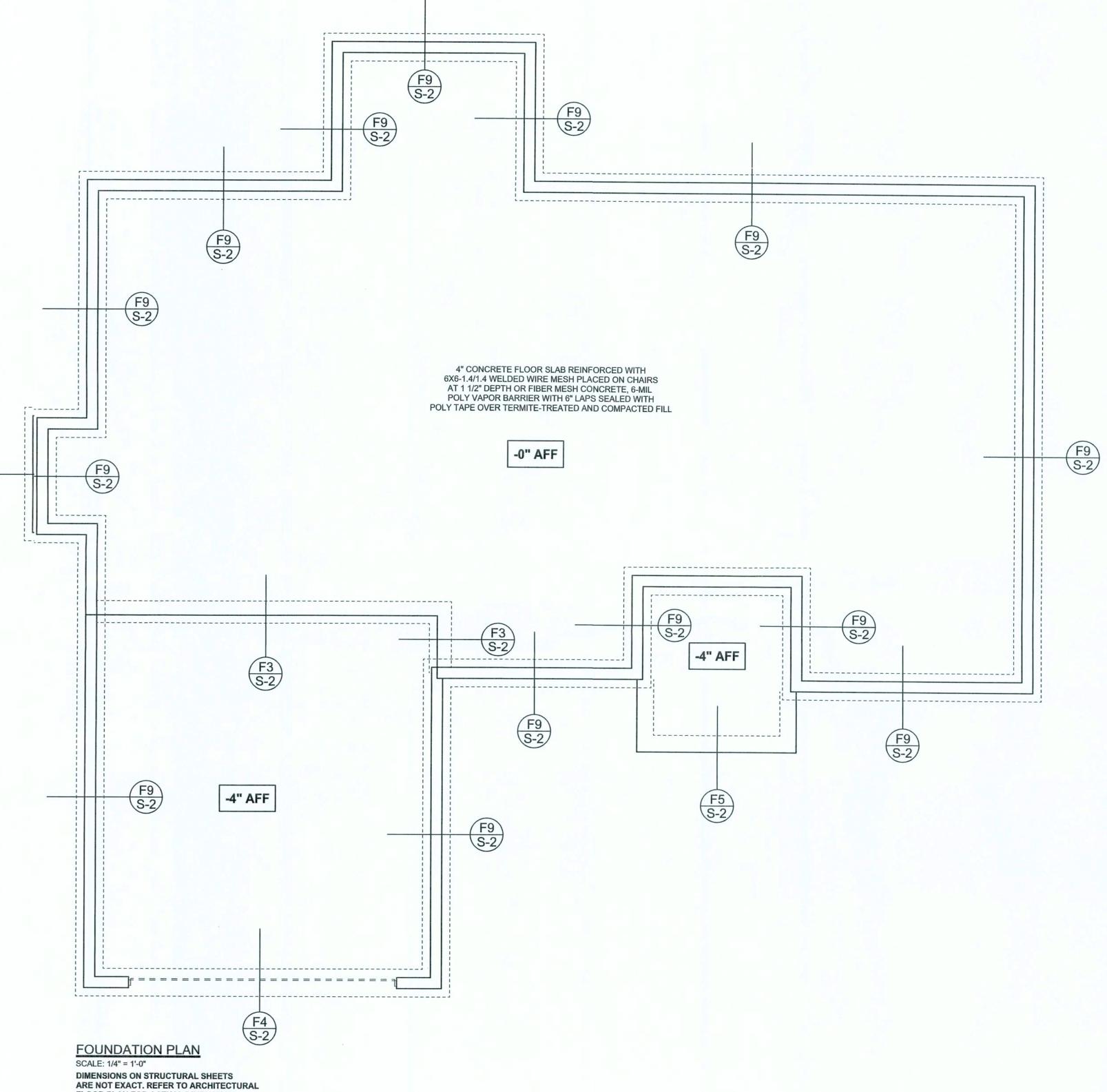
| STEMWALL UNBALANCED VERTICAL REINFORCEME HEIGHT BACKFILL FOR 8" CMU STEMWALL (FEET) HEIGHT (INCHES O.C.) |     | MWALL | VERTICAL REINFORCEMENT<br>FOR 12" CMU STEMWALL<br>(INCHES O.C.) |    |    |    |    |
|----------------------------------------------------------------------------------------------------------|-----|-------|-----------------------------------------------------------------|----|----|----|----|
|                                                                                                          |     | #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 |



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



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



FLOOR PLAN FOR ACTUAL DIMENSIONS

**REVISIONS** 

SOFTPION ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Disosway, PE No.53/15, POB 868, Lake City, FL 32056, 38-754-5419

Stated dimensions supercede scaled dimensions. Refer all questions to Mark Discsway, P.E. for resolution. Do not proceed without clarification. COPYRIGHTS AND PROPERTY RIGHTS: COPYRIGHTS AND PROPERTY RIGHTS:
Mark Discway, P.E. hereby expressly reserves
its commc law copyrights and property right in
these instuments of service. This document is
not to be eproduced, altered or copied in any
form or manner without first the express written
permission and consent of Mark Discosway.

CERTIFICATION: I hereby certify that I have examined his plan, and that the applicable portions o'the plan, relating to wind engineerin comply win section R301.2.1, florida building code residential 2004, to the best of my

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

MARK DISOSWAY P.E. 53915

Ewpl, Inc.

Spec House Lot 17 Rolling Meadows S/D

ADDRESS: Lot17 Rolling Meadows S/D Columbia County, Florida

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

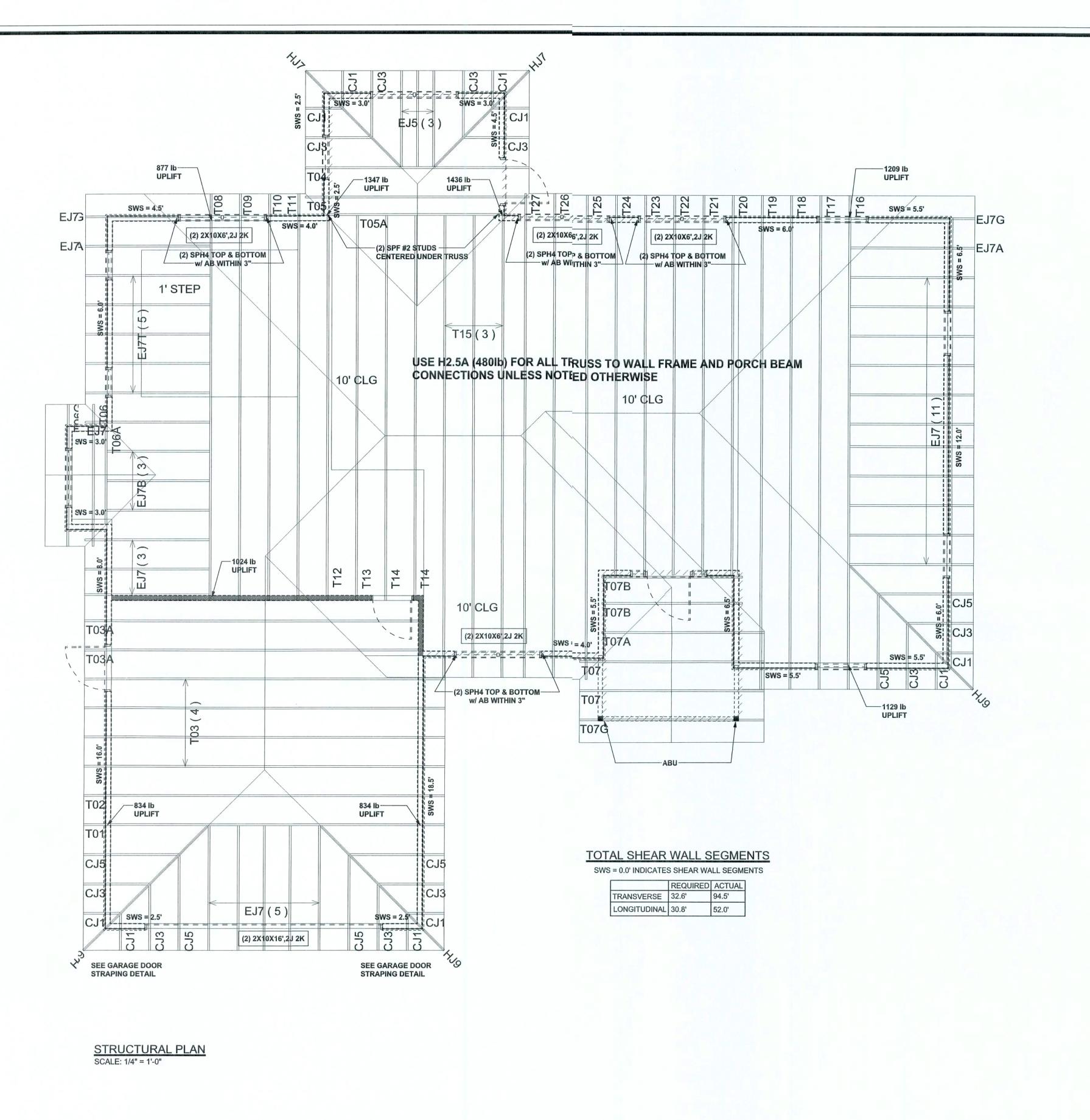
> PRINTED DATE: February 07, 2006

DRAWI BY: CHECKED BY: David Csosway

FINALSDATE: 07 / Feb / 06

JOB NUMBER: 602074 **CRAWING NUMBER** 

**S-2** OF 3 SHEETS



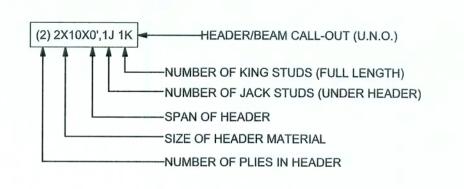
## STRUCTURAL PLAN NOTES

- 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 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. 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

| SM2 = 0.0, | 1\ST FLOOR EXTERIOR WALL WITH 7\%/16\" O.S.B. WALL SHEATHING FULLY BLOCKED 88d COMMON NAILS 6\" O.C. EDGE, 12\" O.C. FIELD (U.N.O.) |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|
| SWS = 0.0' | 2½ND FLOOR EXTERIOR WALL WITH 7#/16" O.S.B. WALL SHEATHING FULLY BLOCKED 89d COMMON NAILS 6" O.C. EDGE, 12" O.C. FIELD (U.N.O.)     |
| IBW        | 11ST FLOOR INTERIOR BEARING WALLS<br>SEE DETAILS ON SHEET S-1                                                                       |
| IBW        | 25ND FLOOR INTERIOR BEARING WALLS<br>SEE DETAILS ON SHEET S-1                                                                       |

# **HEADER LEGEND**



SOFTPLAN

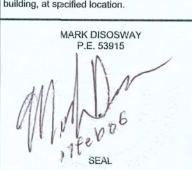
REVISIONS

WINDLOAD ENGINEER: Mark Disosway, PE No.53915 POB 868, Lake City, FL 32056, 386-7:4-5419

Stated dimensions supercede scaled dimensions. Fefer all questions to Mark Disosway, P.E. for resolution. Do not proced without clarification. COPYRIGHT: AND PROPERTY RIGHTS: Mark Disosway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is not to be repnduced, 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 the plan, relating to wind engineerin comply with siction R301.2.1, florida building code residental 2004, to the best of my

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



Ewpl, Inc.

Spec House Lot 17 Rolling Meadows S/D

ADDRESS: Lot 17Rolling Meadows S/D 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 07, 2006 DRAWN BY: CHECKED BY: David Disoway

FINALS DATE:

07 / Feb 106 JOB NUMBER: 602074

> DRAWING NUMBER **S-3**

OF 3 SHEETS

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE JOB #L146600