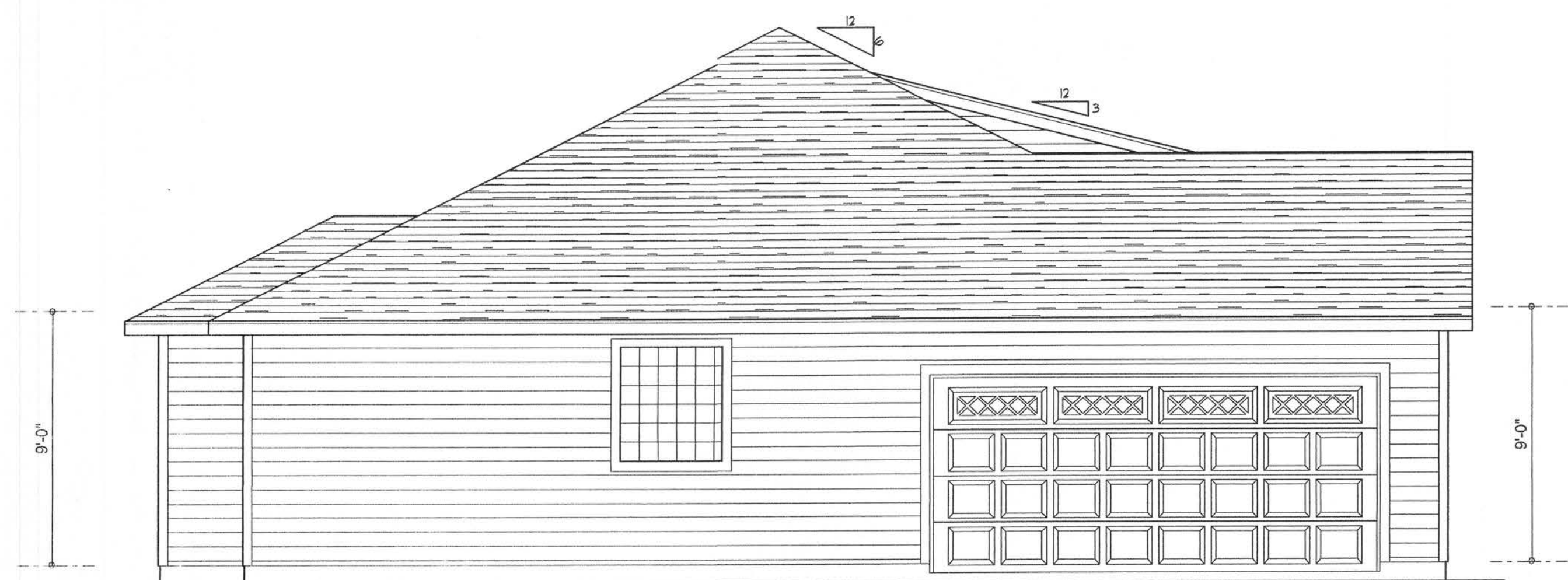
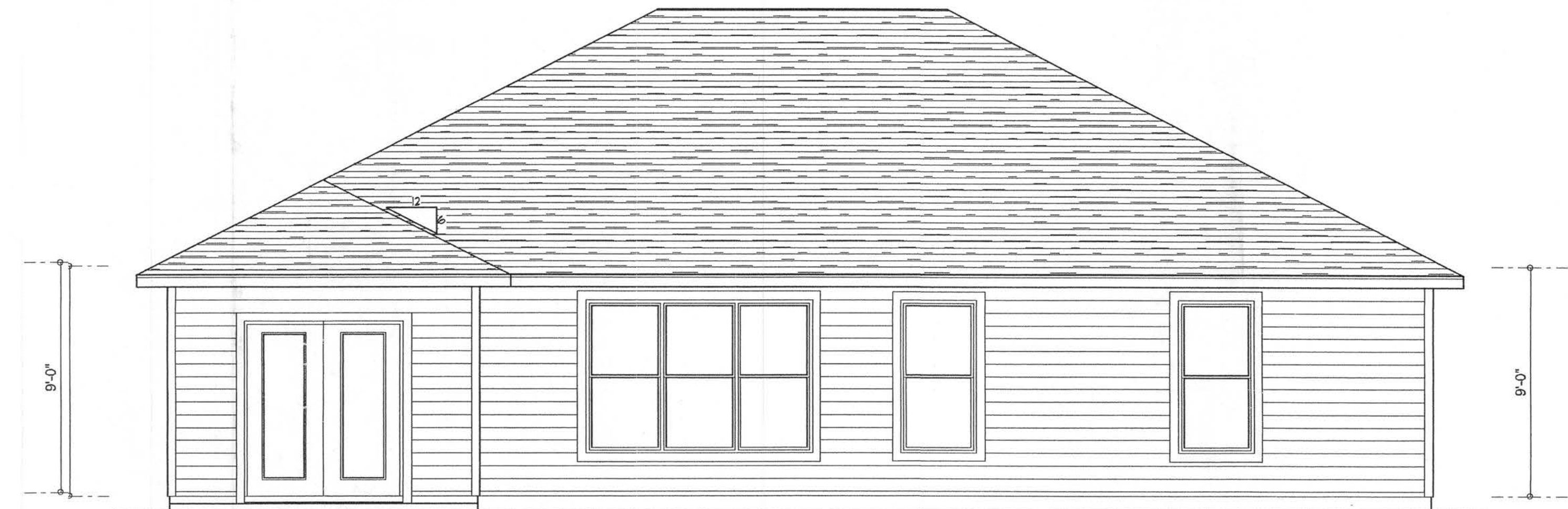


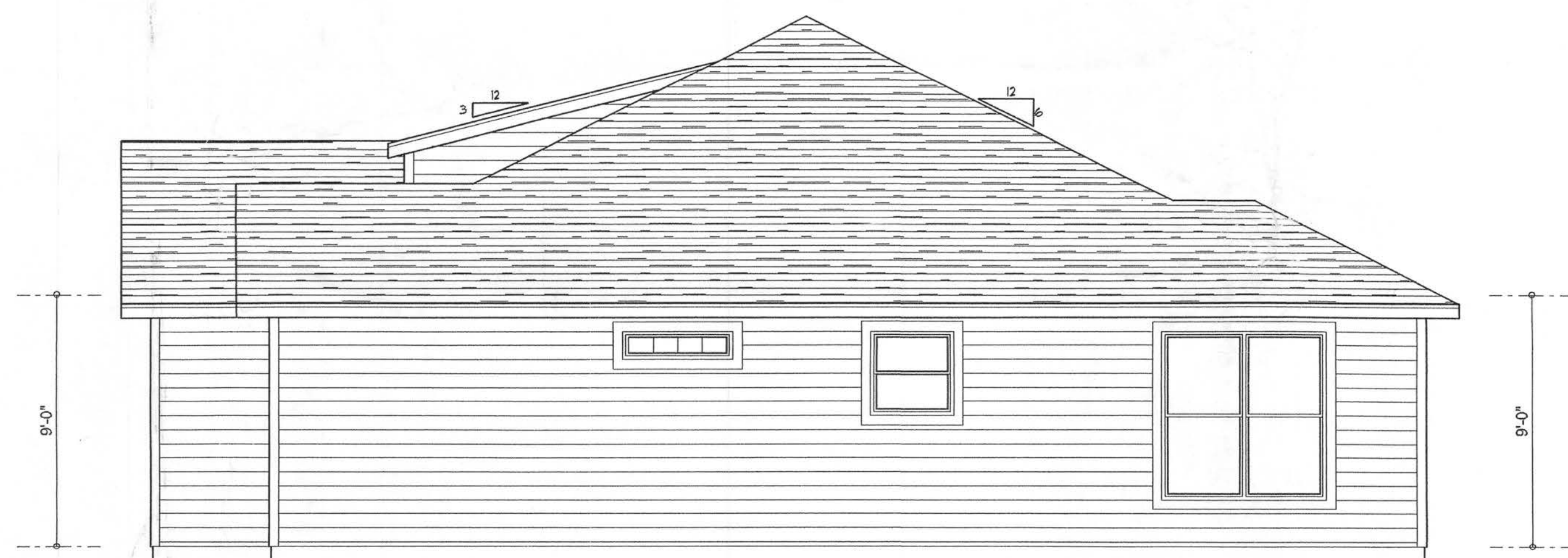
TYPICAL WALL SECTION  
SCALE: 1" = 1'-0"



LEFT ELEVATION  
SCALE: 1/4" = 1'-0"



REAR ELEVATION  
SCALE: 1/4" = 1'-0"



RIGHT ELEVATION  
SCALE: 1/4" = 1'-0"



FRONT ELEVATION  
SCALE: 1/4" = 1'-0"

REVISIONS

|               |
|---------------|
| July 30, 2007 |
|---------------|

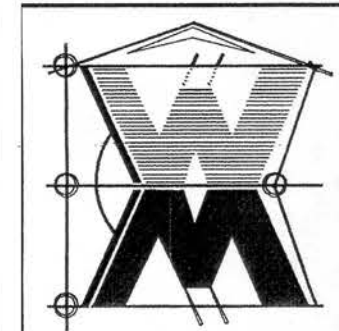


EXTERIOR ELEVATIONS  
SCALE: 1/4" = 1'-0"

TYPICAL WALL SECTION  
SCALE: 1" = 1'-0"

A SPEC HOME FOR:  
**ADAM'S FRAMING & CONSTRUCTION**  
LAKE CITY, FLORIDA 32025

©WILLIAM MYERS  
DESIGN  
P.O. BOX 1513  
LAKE CITY, FL 32066  
(386) 758-8406  
w@williamymyers.net



JOB NUMBER  
070303

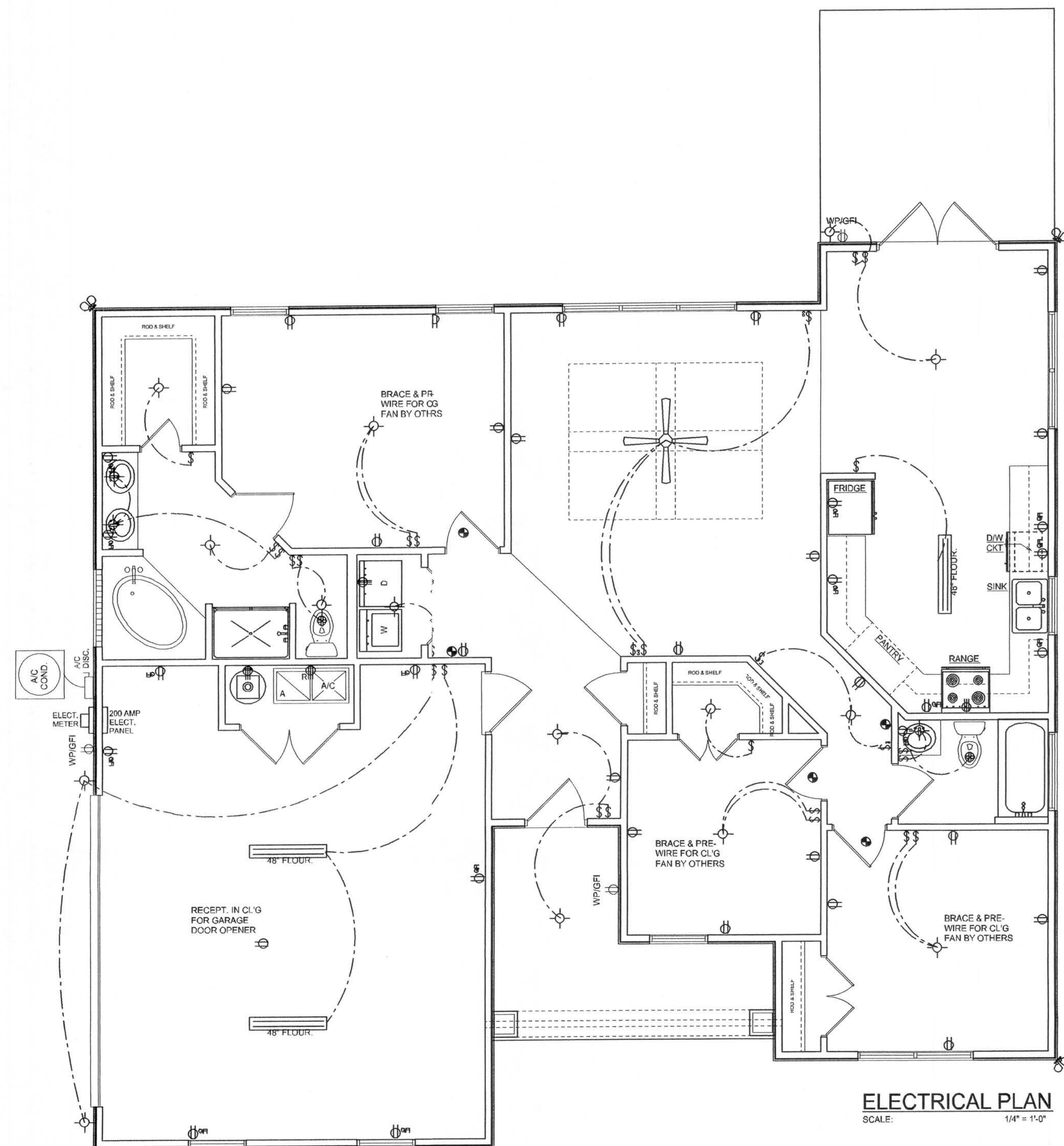
SHEET NUMBER

**A1**

OF 3 SHEETS

*Wm Myers*





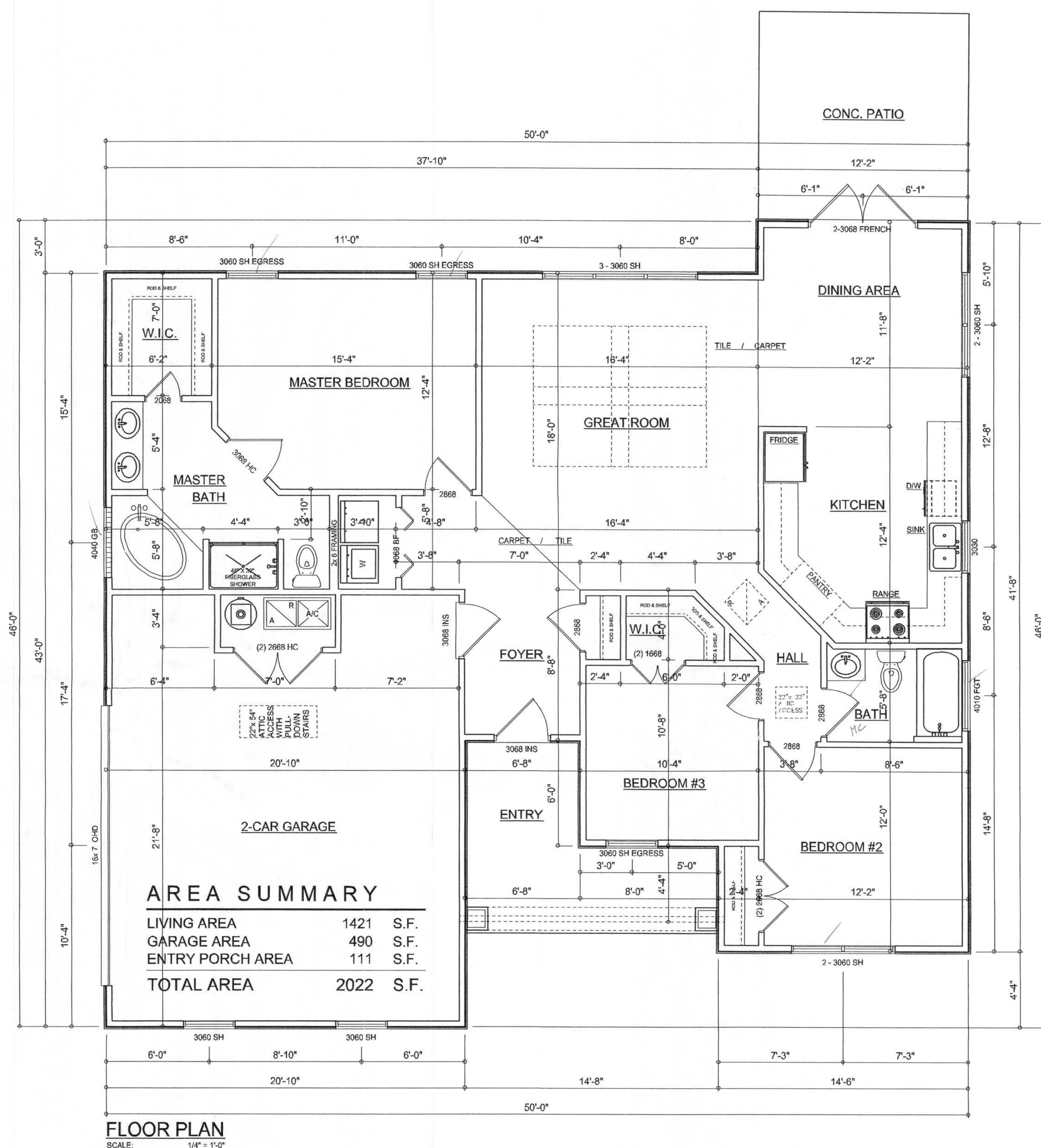
**ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

| ELECTRICAL LEGEND |   |
|-------------------|---|
|                   | CEILING FAN<br>(PRE-WIRE FOR LIGHT KIT) |
|                   | DOUBLE SECURITY LIGHT                   |
|                   | RECESSED CAN LIGHT                      |
|                   | BATH EXHAUST FAN                        |
|                   | LIGHT FIXTURE                           |
|                   | DUPLEX OUTLET                           |
|                   | 220V OUTLET                             |
|                   | GFI DUPLEX OUTLET                       |
|                   | TELEVISION JACK                         |
|                   | TELEPHONE JACK                          |
|                   | SMOKE DETECTOR (see note below)         |
|                   | WALL SWITCH                             |
|                   | 3 WAY WALL SWITCH                       |
|                   | WATER PROOF GFI OUTLET                  |
|                   | 2 OR 4 TUB FLUORESCENT FIXTURE          |

NOTE:  
ALL BEDROOM RECEPTS SHALL BE AFCI  
(ARC FAULT CIRCUIT INTERRUPT)

ALL SMOKE DETECTORS SHALL HAVE BATTERY BACKUP POWER  
AND ALL WIRED TOGETHER SO IF ANY ONE UNIT IS ACTUATED THEY  
ALL ACTIVATE.

THE ELECTRICAL SERVICE/OVERCURRENT PROTECTION DEVICE SHALL BE  
INSTALLED ON THE EXTERIOR OF STRUCTURES TO SERVE AS A DISCONNECT 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.



| AREA SUMMARY     |      |      |
|------------------|------|------|
| LIVING AREA      | 1421 | S.F. |
| GARAGE AREA      | 490  | S.F. |
| ENTRY PORCH AREA | 111  | S.F. |
| TOTAL AREA       | 2022 | S.F. |

**FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

Garage fire separations shall comply with the following:

1. The private garage shall be separated from the dwelling unit and its attic area by means of a minimum 1/2-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors, or solid or honeycomb core steel doors not less than 13/8 inches (34.9 mm) thick, or doors in compliance with Section 715.3.3. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted.

2. Ducts in a private garage and ducts penetrating the walls or ceilings separating the dwelling unit from the garage shall be constructed of a minimum 0.019-inch (0.48 mm) sheet steel and shall have no openings into the garage.

3. A separation is not required between a Group R-3 and U carport provided the carport is entirely open on two or more sides and there are not enclosed areas above.

4. When installing an attic access and/or pull-down stair unit in the garage, devise shall have a minimum 20 min. fire rating.

REVISIONS  
July 30, 2007

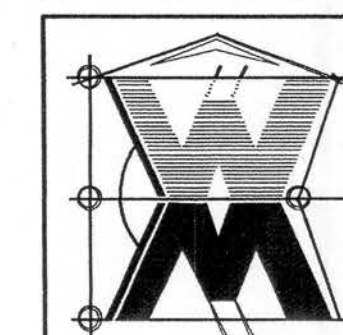
**SOFTPLAN**  
ARCHITECTURAL DESIGN SOFTWARE

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

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

A SPEC HOME FOR:  
**ADAM'S FRAMING & CONSTRUCTION**  
LAKE CITY, FLORIDA 32025

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will@willmyers.net



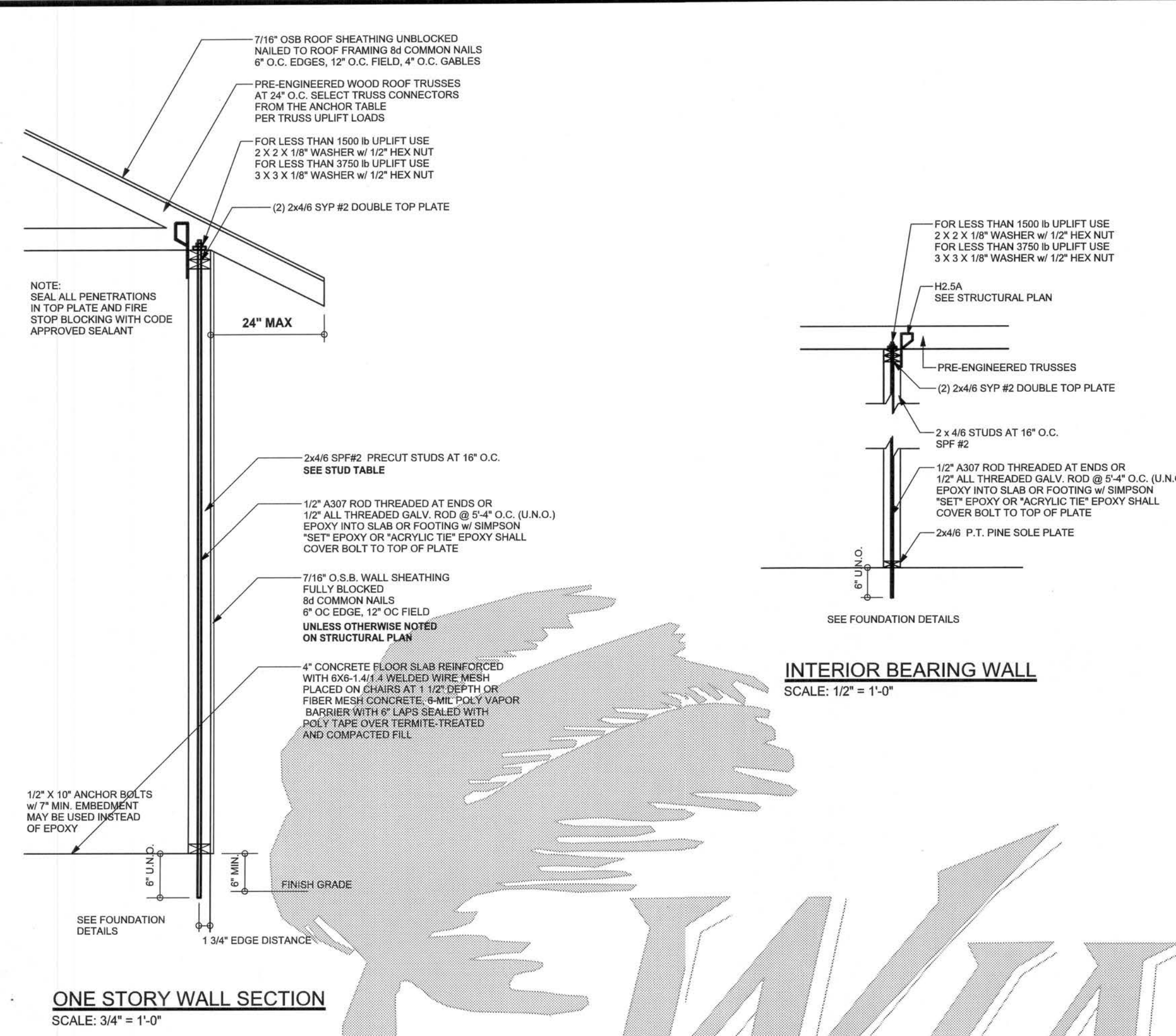
JOB NUMBER  
070303

SHEET NUMBER

**A.2**  
OF 3 SHEETS

*W.M.C. Myers*

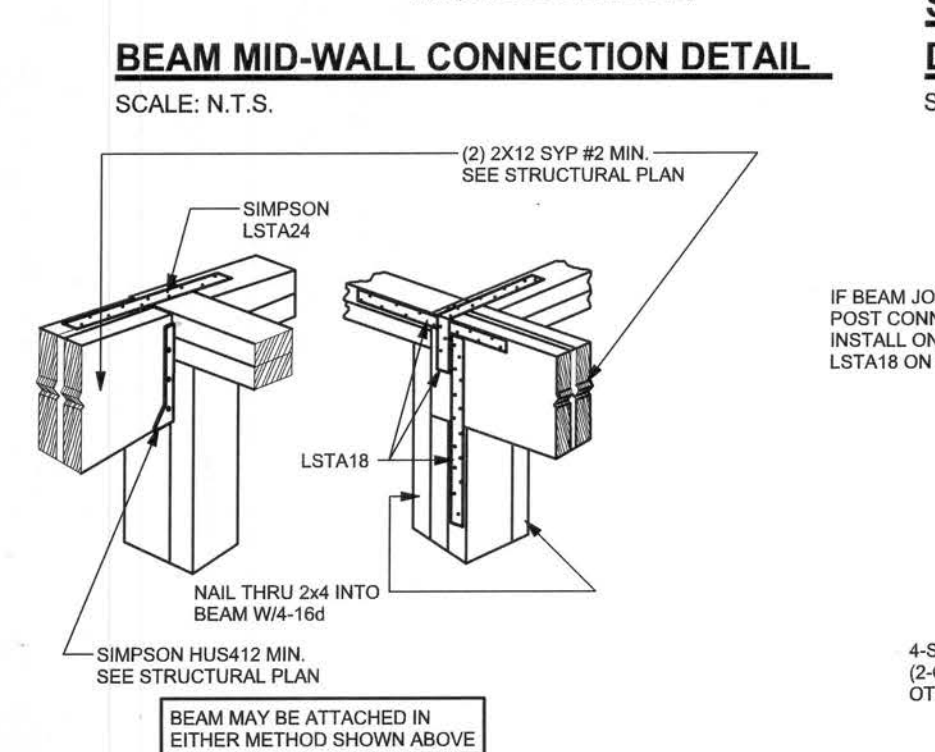
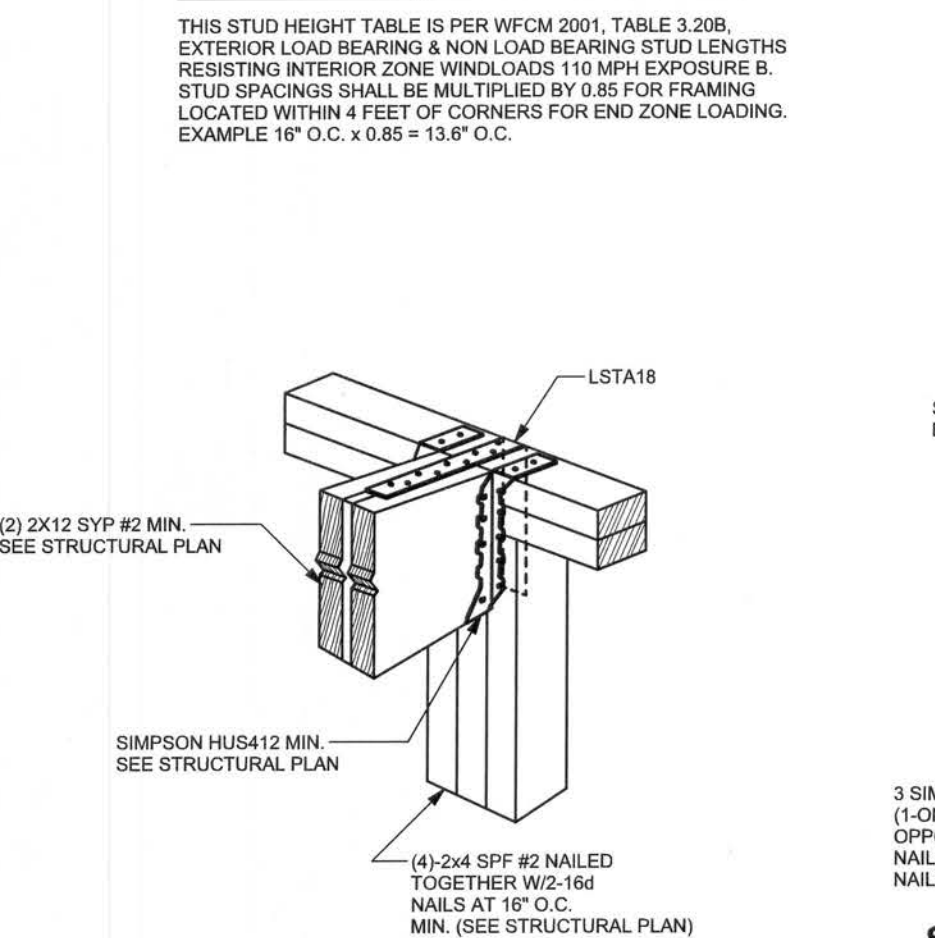




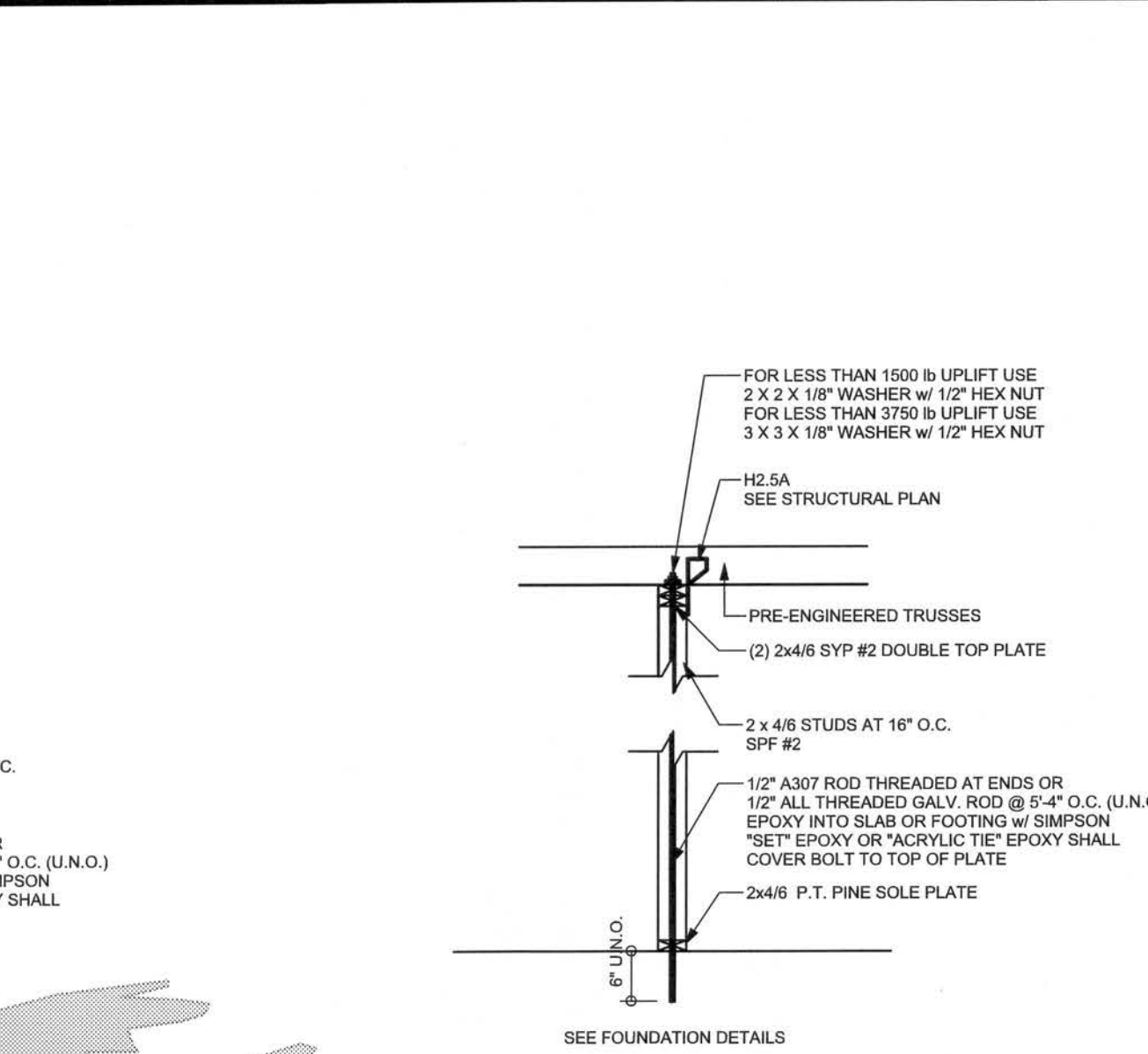
**EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS**

| (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  |

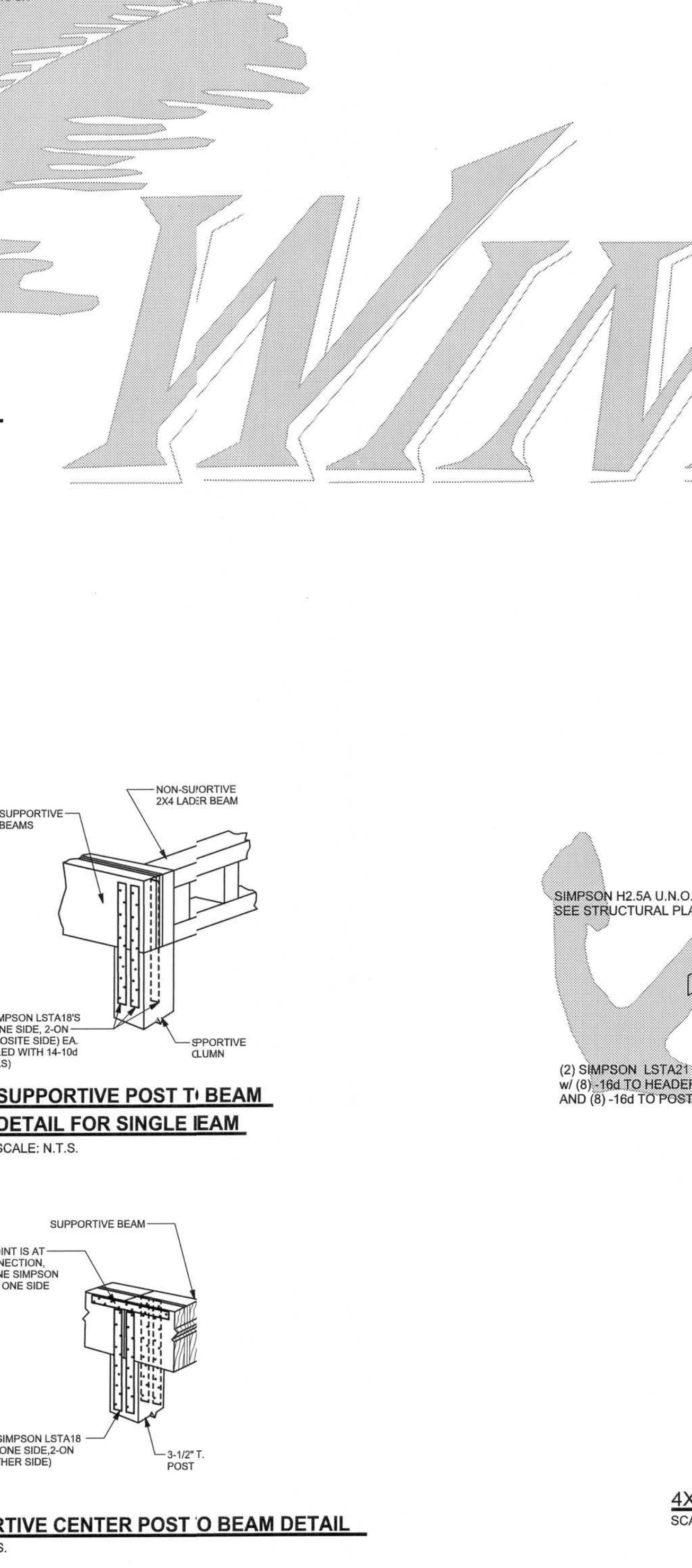
THIS STUD HEIGHT TABLE IS PER WFCM 2001, TABLE 3.20B. EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS RESISTING INTERIOR ZONE WIND LOADS 110 MPH EXPOSURE B. STUD SPACINGS SHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. EXAMPLE 16" O.C. x 0.85 = 13.6" O.C.



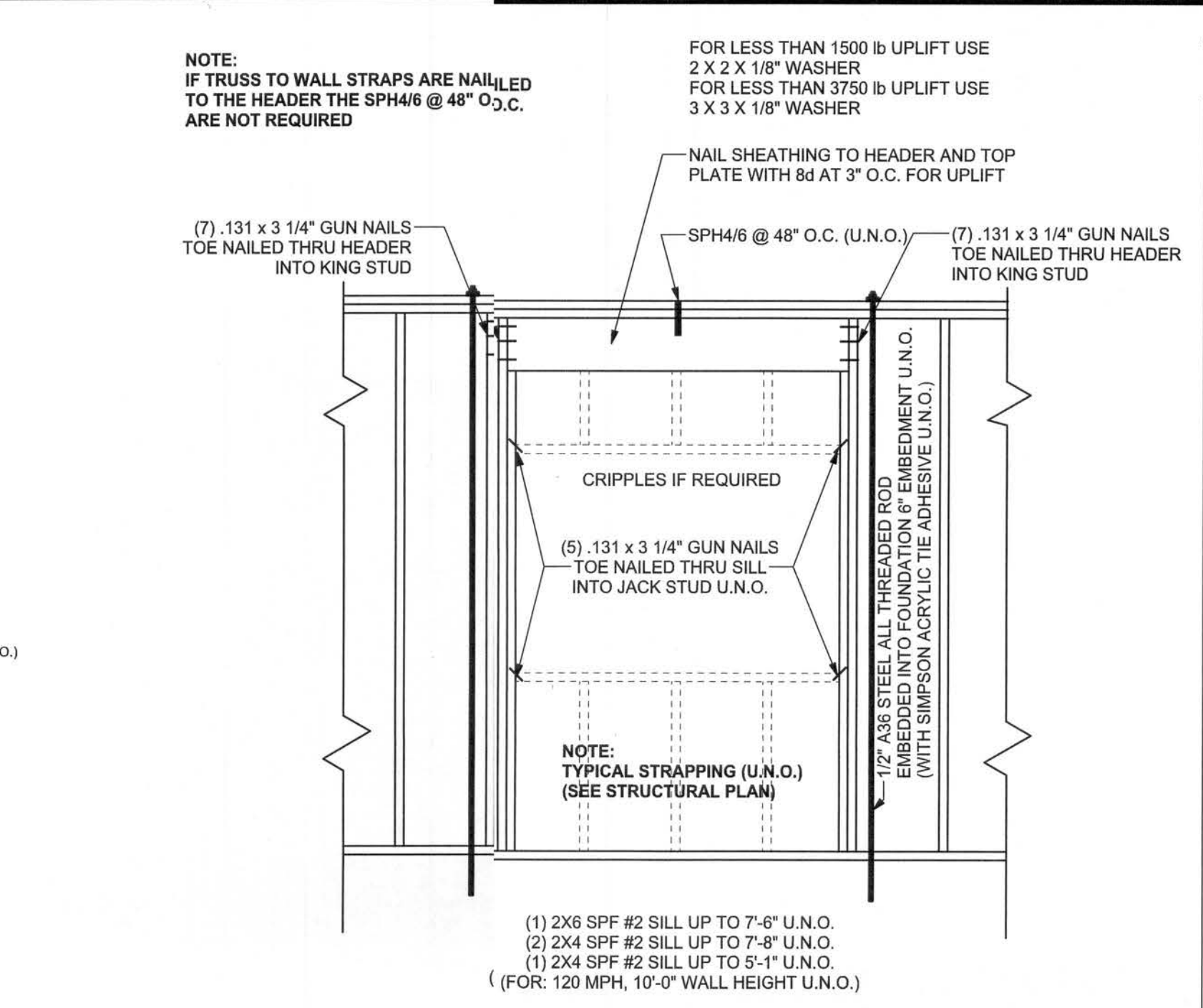
**BEAM CORNER CONNECTION DETAIL**  
SCALE: N.T.S.



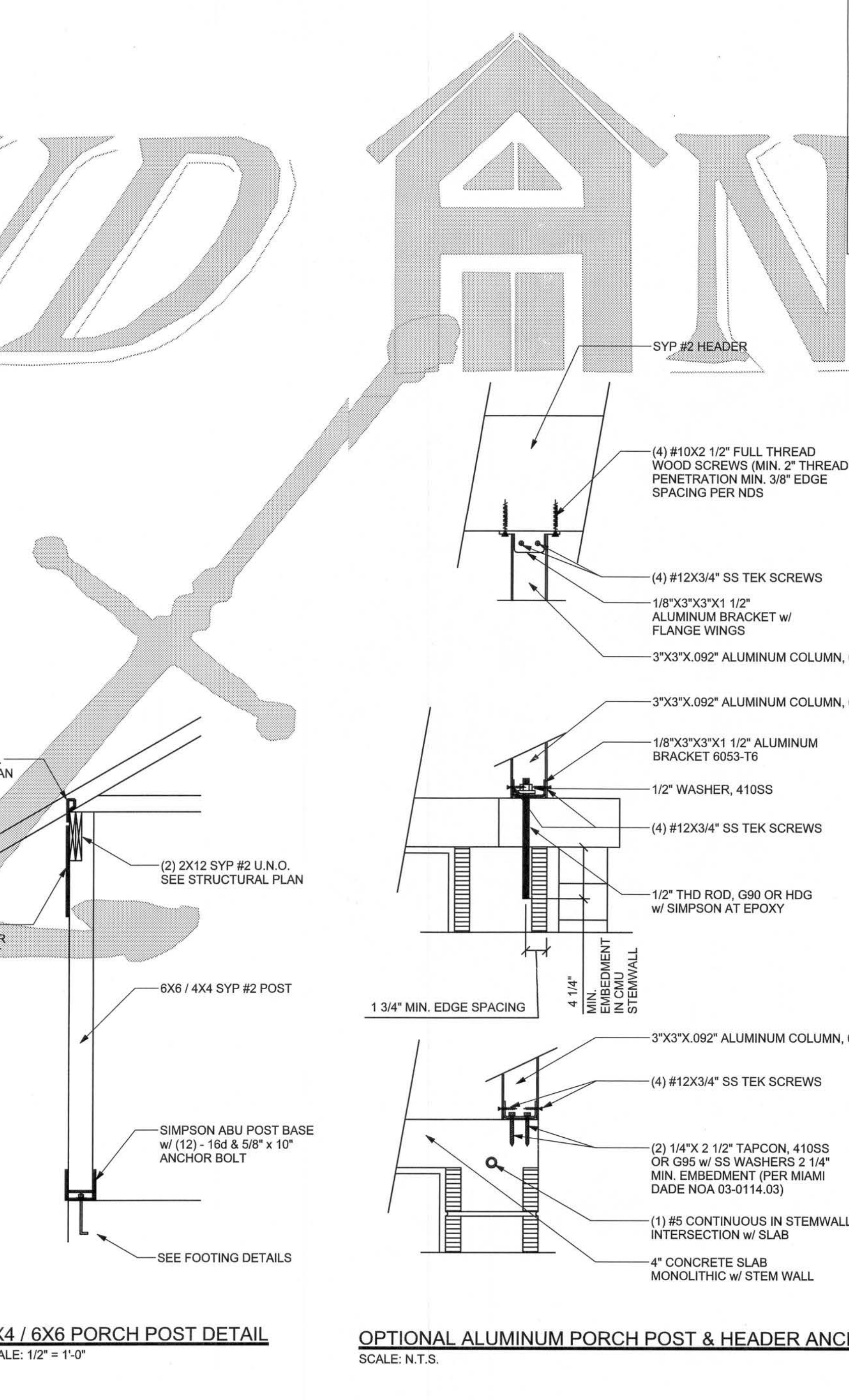
**INTERIOR BEARING WALL**  
SCALE: 1/2" = 1'-0"



**SUPPORTIVE CENTER POST O BEAM DETAIL**  
SCALE: N.T.S.



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



**4X4 / 6X6 PORCH POST DETAIL**  
SCALE: 1/2" = 1'-0"

**ANCHOR TABLE**  
OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

| UPLIFT LBS. SYP               | UPLIFT LBS. SPF | TRUSS CONNECTOR*      | TO PLATES      | TO RAFTER/TRUSS | TO STUDS                          |
|-------------------------------|-----------------|-----------------------|----------------|-----------------|-----------------------------------|
| < 420                         | < 245           | HSA                   | 3-8d           | 3-8d            |                                   |
| < 455                         | < 265           | H5                    | 4-8d           | 4-8d            |                                   |
| < 380                         | < 235           | H4                    | 4-8d           | 4-8d            |                                   |
| < 455                         | < 320           | H3                    | 4-8d           | 4-8d            |                                   |
| < 415                         | < 365           | H2.5                  | 5-8d           | 5-8d            |                                   |
| < 800                         | < 535           | H2.5A                 | 5-8d           | 5-8d            |                                   |
| < 950                         | < 820           | H6                    | 8-8d           | 8-8d            |                                   |
| < 745                         | < 565           | H6                    | 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                         | < 655           | H10.1                 | 8-8d, 1 1/2"   | 8-8d, 1 1/2"    |                                   |
| < 780                         | < 655           | H10.2                 | 6-10d          | 6-10d           |                                   |
| < 1470                        | < 1285          | H16.1                 | 10-10d, 1 1/2" | 2-10d, 1 1/2"   |                                   |
| < 1470                        | < 1285          | 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"   |                                   |
| < 2000                        | < 2480          | 2-HTS24               |                |                 |                                   |
| < 2050                        | < 1790          | LGT2                  | 14-16d         | 14-16d          |                                   |
| <b>HEAVY GIRDER TIEDOWNS*</b> |                 |                       |                |                 |                                   |
| < 3965                        | < 3330          | MG1                   |                | 22-10d          | 1-5/8" THREADED ROD 12" EMBEDMENT |
| < 10980                       | < 6485          | HGT-2                 |                | 16-10d          | 2-5/8" THREADED ROD 12" EMBEDMENT |
| < 10530                       | < 8035          | HGT-3                 |                | 16-10d          | 2-5/8" THREADED ROD 12" EMBEDMENT |
| < 9250                        | < 9250          | HGT-4                 |                | 16-10d          | 2-5/8" THREADED ROD 12" EMBEDMENT |
| <b>STUD STRAP CONNECTOR*</b>  |                 |                       |                |                 |                                   |
| < 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                   |                |                 | 5-10d, 1 1/2"                     |
| < 1240                        | < 1065          | SPH4                  |                |                 | 10-10d, 1 1/2"                    |
| < 885                         | < 760           | SP6                   |                |                 | 5-10d, 1 1/2"                     |
| < 1240                        | < 1065          | SPH6                  |                |                 | 10-10d, 1 1/2"                    |
| < 1235                        | < 1165          | LSTA18                | 14-10d         |                 |                                   |
| < 1235                        | < 1235          | LSTA21                | 16-10d         |                 |                                   |
| < 1030                        | < 1030          | CS20                  | 16-8d          |                 |                                   |
| < 1705                        | < 1705          | CS16                  | 28-8d          |                 |                                   |
| <b>STUD ANCHORS*</b>          |                 |                       |                |                 |                                   |
| < 1350                        | < 1305          | LTT19                 | 8-16d          |                 | 1/2" AB                           |
| < 2310                        | < 2310          | LTT31                 | 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          | PAH242                | 16-16d         |                 |                                   |
| < 3335                        | < 3335          | PAH202                | 16-16d         |                 |                                   |
| < 2200                        | < 2200          | ABU44                 | 12-16d         |                 | 1/2" AB                           |
| < 2300                        | < 2300          | ABU68                 | 12-16d         |                 | 1/2" AB                           |
| < 2320                        | < 2320          | ABU88                 | 18-16d         |                 | 2-5/8" AB                         |

**GENERAL NOTES:**

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR 2004. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS TO TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY TO VERIFY THE TRUSS ENGINEERING FULLY SATISFIES THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. TRUSS ENGINEERING SHALL 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: 8" x 6" W14 x W14, FB = 85KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.R.) 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 RATIO OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT APPLY 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 A615, GRADE 60, DEFORMED BARS, FY = 60 KSI, ALL LAP SPICES 40" DB (25" FOR #6 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 318-06, UNO.

GLULAM BEAMS: GLULAM BEAM, GLB, 24F-V3SP, FB = 2.4klf, E = 1800ksi, UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALCULATIONS.

ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS, 7/16" OSB SHEATHING, UNLOCKED, 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: MANUFACTURER 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 6/64"; 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 1" BOLTS TO BE 3" x 3" x 9/64"; UNO.

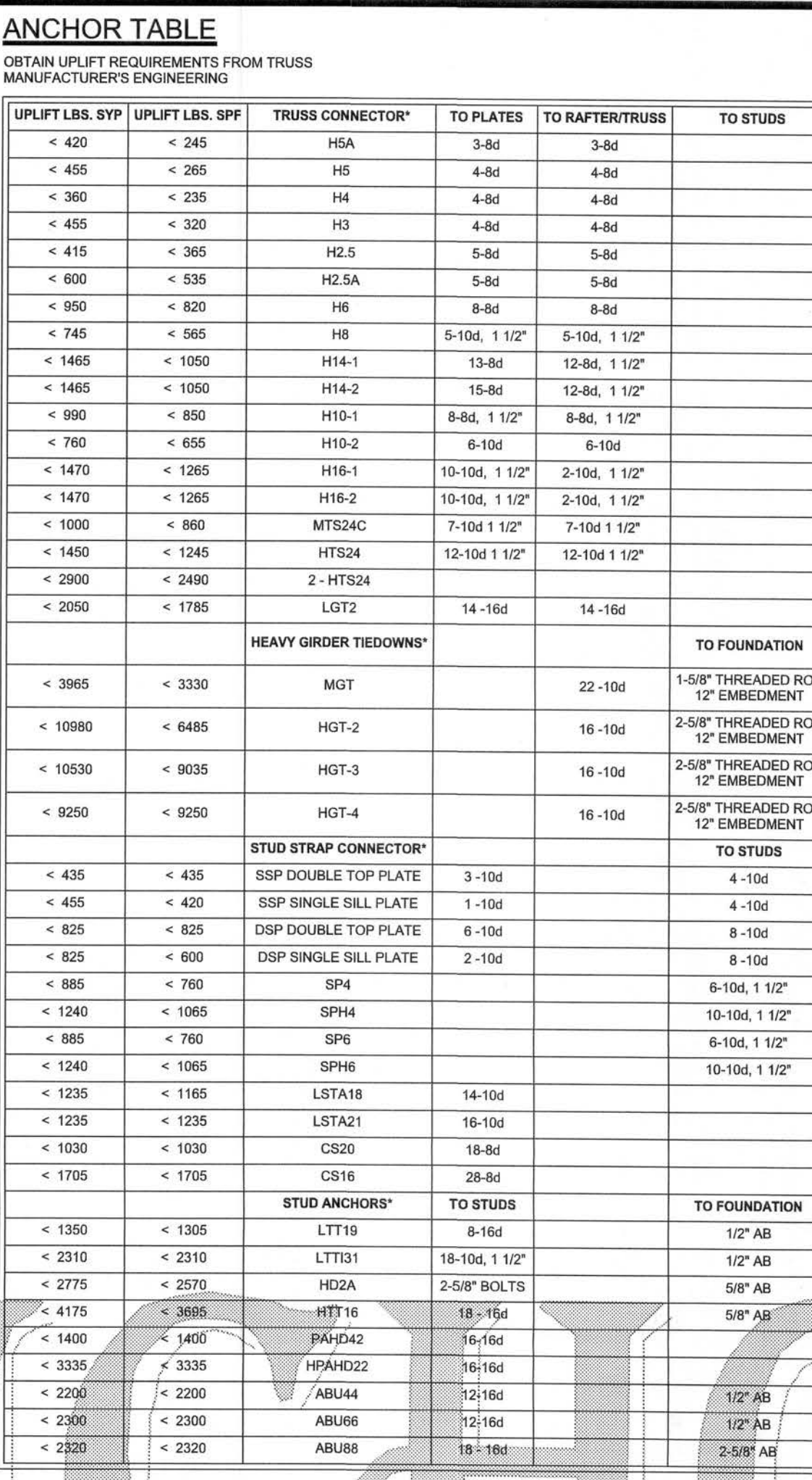
NAILS: ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY FBC TEST REPORTS AS HAVING EQUAL STRUCTURAL VALUES.

**ANCHOR TABLE**  
OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

| UPLIFT LBS. SYP               | UPLIFT LBS. SPF | TRUSS CONNECTOR*      | TO PLATES      | TO RAFTER/TRUSS | TO STUDS                          |
|-------------------------------|-----------------|-----------------------|----------------|-----------------|-----------------------------------|
| < 420                         | < 245           | HSA                   | 3-8d           | 3-8d            |                                   |
| < 455                         | < 265           | H5                    | 4-8d           | 4-8d            |                                   |
| < 380                         | < 235           | H4                    | 4-8d           | 4-8d            |                                   |
| < 455                         | < 320           | H3                    | 4-8d           | 4-8d            |                                   |
| < 415                         | < 365           | H2.5                  | 5-8d           | 5-8d            |                                   |
| < 800                         | < 535           | H2.5A                 | 5-8d           | 5-8d            |                                   |
| < 950                         | < 820           | H6                    | 8-8d           | 8-8d            |                                   |
| < 745                         | < 565           | H6                    | 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                         | < 655           | H10.1                 | 8-8d, 1 1/2"   | 8-8d, 1 1/2"    |                                   |
| < 780                         | < 655           | H10.2                 | 6-10d          | 6-10d           |                                   |
| < 1470                        | < 1285          | H16.1                 | 10-10d, 1 1/2" | 2-10d, 1 1/2"   |                                   |
| < 1470                        | < 1285          | 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"   |                                   |
| < 2000                        | < 2480          | 2-HTS24               |                |                 |                                   |
| < 2050                        | < 1790          | LGT2                  | 14-16d         | 14-16d          |                                   |
| <b>HEAVY GIRDER TIEDOWNS*</b> |                 |                       |                |                 |                                   |
| < 3965                        | < 3330          | MG1                   |                | 22-10d          | 1-5/8" THREADED ROD 12" EMBEDMENT |
| < 10980                       | < 6485          | HGT-2                 |                | 16-10d          | 2-5/8" THREADED ROD 12" EMBEDMENT |
| < 10530                       | < 8035          | HGT-3                 |                | 16-10d          | 2-5/8" THREADED ROD 12" EMBEDMENT |
| < 9250                        | < 9250          | HGT-4                 |                | 16-10d          | 2-5/8" THREADED ROD 12" EMBEDMENT |
| <b>STUD STRAP CONNECTOR*</b>  |                 |                       |                |                 |                                   |
| < 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                   |                |                 | 5-10d, 1 1/2"                     |
| < 1240                        | < 1065          | SPH4                  |                |                 | 10-10d, 1 1/2"                    |
| < 885                         | < 760           | SP6                   |                |                 | 5-10d, 1 1/2"                     |
| < 1240                        | < 1065          | SPH6                  |                |                 | 10-10d, 1 1/2"                    |
| < 1235                        | < 1165          | LSTA18                | 14-10d         |                 |                                   |
| < 1235                        | < 1235          | LSTA21                | 16-10d         |                 |                                   |
| < 1030                        | < 1030          | CS20                  | 16-8d          |                 |                                   |
| < 1705                        | < 1705          | CS16                  | 28-8d          |                 |                                   |
| <b>STUD ANCHORS*</b>          |                 |                       |                |                 |                                   |
| < 1350                        | < 1305          | LTT19                 | 8-16d          |                 | 1/2" AB                           |
| < 2310                        | < 2310          | LTT31                 | 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          | PAH242                | 16-16d         |                 |                                   |
| < 3335                        | < 3335          | PAH202                | 16-16d         |                 |                                   |
| < 2200                        | < 2200          | ABU44                 | 12-16d         |                 | 1/2" AB                           |
| < 2300                        | < 2300          | ABU68                 | 12-16d         |                 | 1/2" AB                           |
| < 2320                        | < 2320          | ABU88                 | 18-16d         |                 | 2-5/8" AB                         |

**GRADE & SPECIES TABLE**

|      | Fb (psi)     | E (10 <sup>6</sup> psi) |
|------|--------------|-------------------------|
| 2x8  | SYP #2       | 1200 1.6                |
| 2x10 | SYP #2       | 1050 1.6                |
| 2x12 | SYP #2       | 975 1.6                 |
| GLB  | 24F-V3 SP    | 2400 1.8                |
| LSL  | TIMBERSTRAND | 1700 1.7                |
| LVL  | MICROLAM     | 2900 2.0                |
| PSL  | PARALAM      | 2900 2.0                |



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

**DESIGN DATA**

**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 60 FT IN EXP. B, 30 FT 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

1.) 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

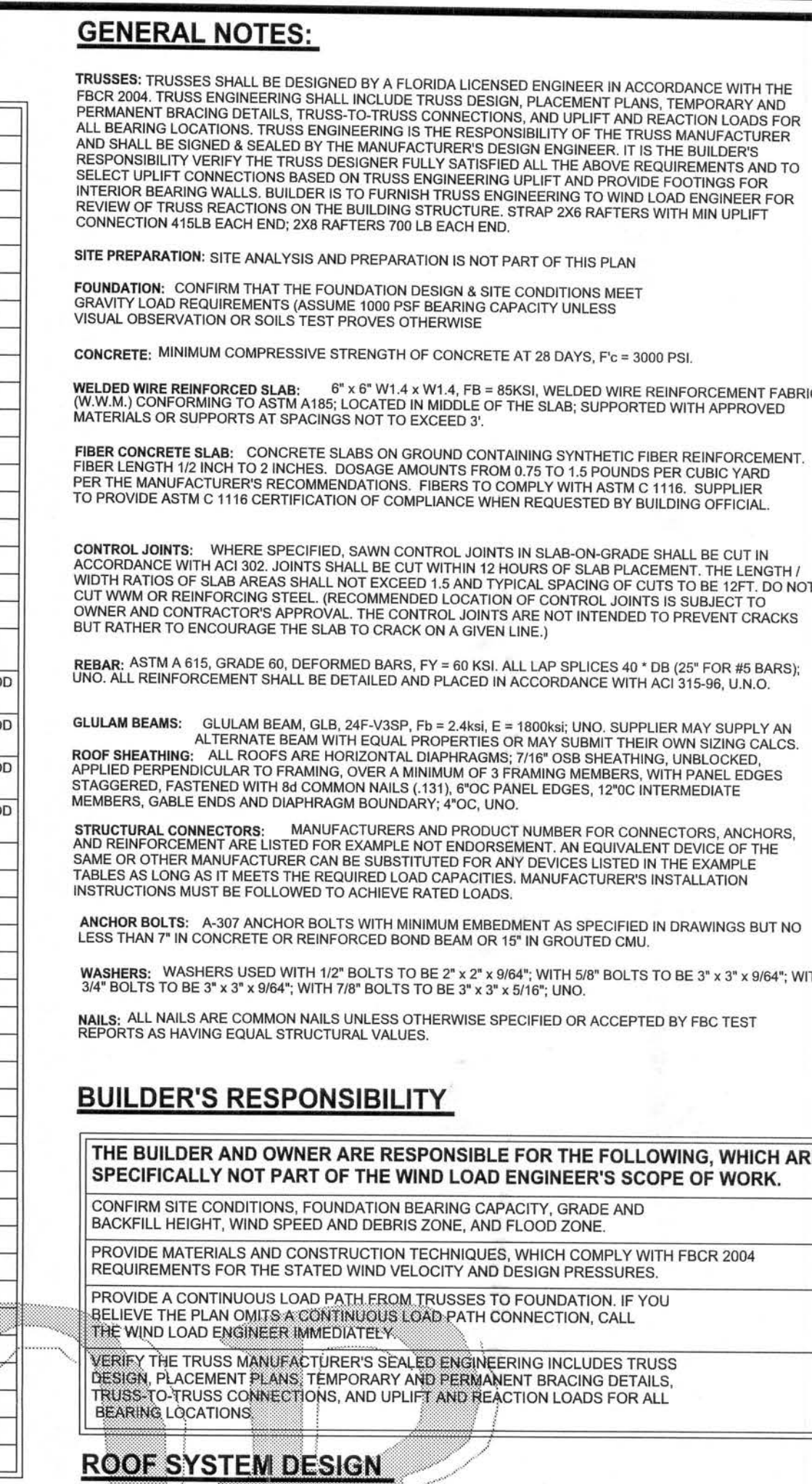
6.) MEAN ROOF HEIGHT = <30 FT

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

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

| Zone    | Effective Wind Area (ft <sup>2</sup> ) | 10    | 100   |
|---------|--|-------|-------|
| 1       | 19.9 - 21.8                            | 18.1  | -18.1 |
| 2       | 19.9 - 25.5                            | 18.1  | -21.8 |
| 2 Other |  | -40.6 | -40.6 |
| 3       | 19.9 - 25.5                            | 18.1  | -21.8 |
| 3 Other |  | -48.3 | -42.4 |
| 4       | 21.8 - 23.8                            | 18.5  | -20.4 |
| 5       | 21.8 - 29.1                            | 18.5  | -22.6 |

| Doors & Windows                          | 21.8 | -29.1 |
|--|------|-------|
| Worst Case (Zone 5, 10 ft <sup>2</sup> ) |      |       |
| 8x7 Garage Door                          | 19.5 | -22.9 |
| 16x7 Garage Door                         | 18.5 | -21.0 |



**DESIGN DATA**

**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |

**WIND LOAD ENGINEER:** Mark Disoway, P.E. 58015  
32056, 386-754-5419

**DIMENSIONS:**  
Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without clarification.

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**CERTIFICATION:** I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section R301.2.1, Florida building code residential 2004, to the best of my knowledge.

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

**Mark Disoway**  
P.E. 58015  
2010

**Adam's Framing & Construction**  
Spec House  
Lot 2  
Gerald Riggle S/D

**ADDRESS:**  
Lot 2 Gerald Riggle S/D  
Columbia County, Florida

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

**PRINTED DATE:**  
July 25, 2007

**DRAWN BY:** David Disoway **CHECKED BY:**

**FINALS DATE:**  
25 / Jul / 07

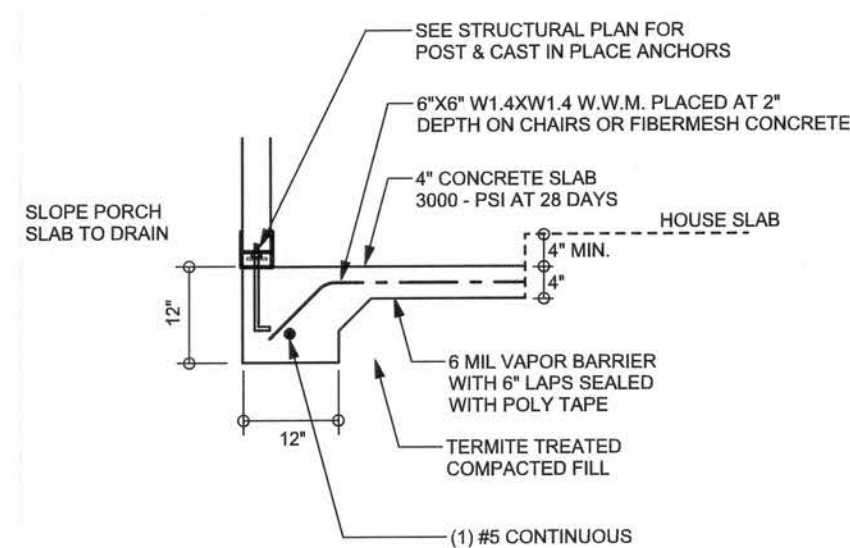
**JOB NUMBER:**  
706211

**DRAWING NUMBER**  
**S-1**  
OF 3 SHEETS

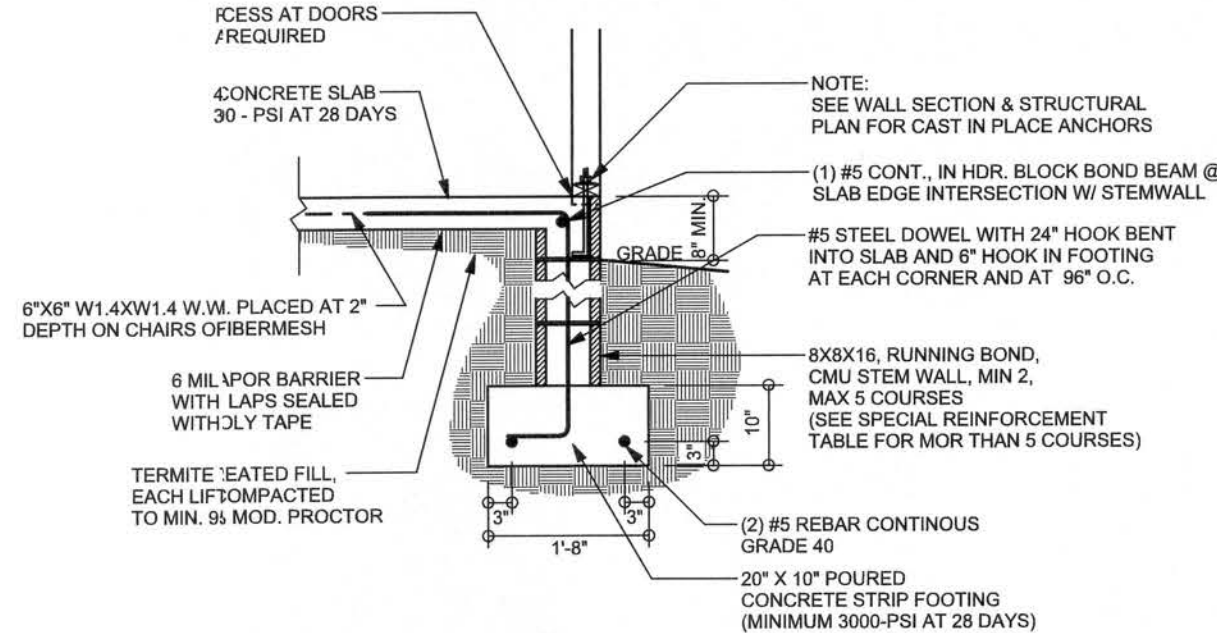


REVISIONS

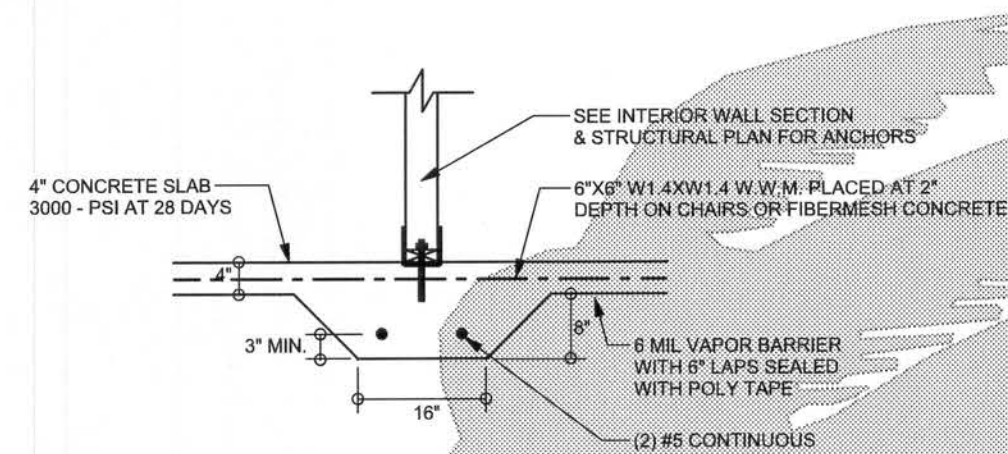
SOFTPLAN  
STRUCTURAL DESIGN SOFTWARE



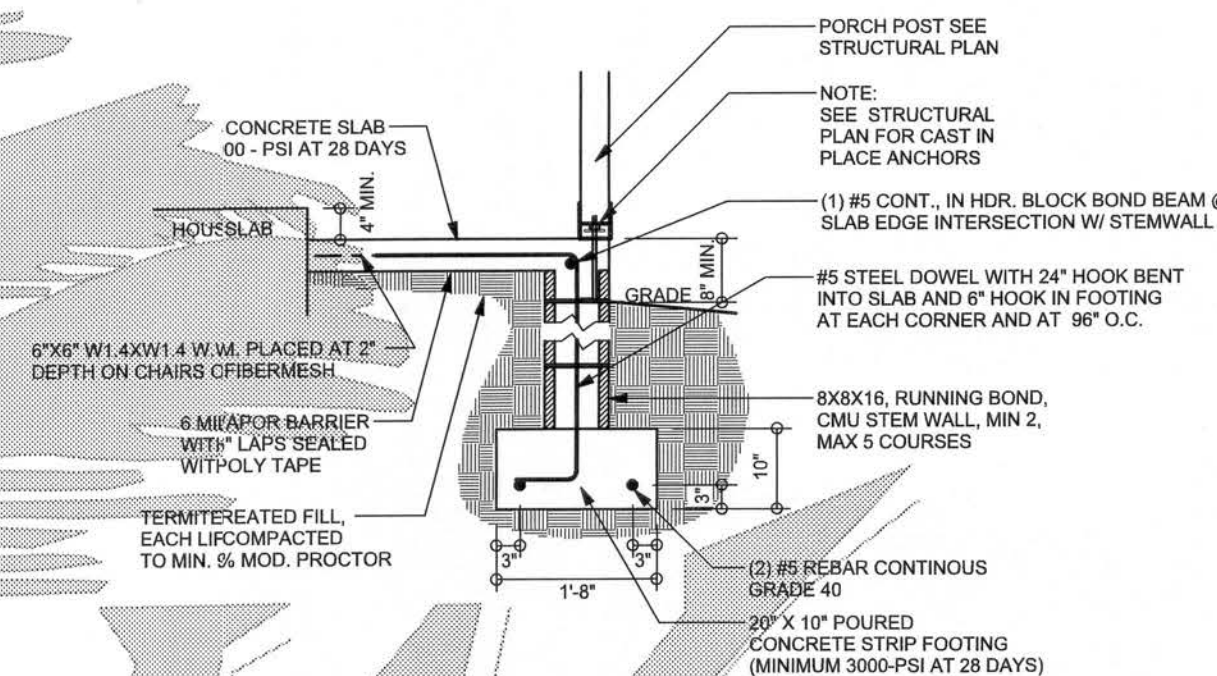
**F5 PORCH FOOTING**  
SCALE: 1/2" = 1'-0"



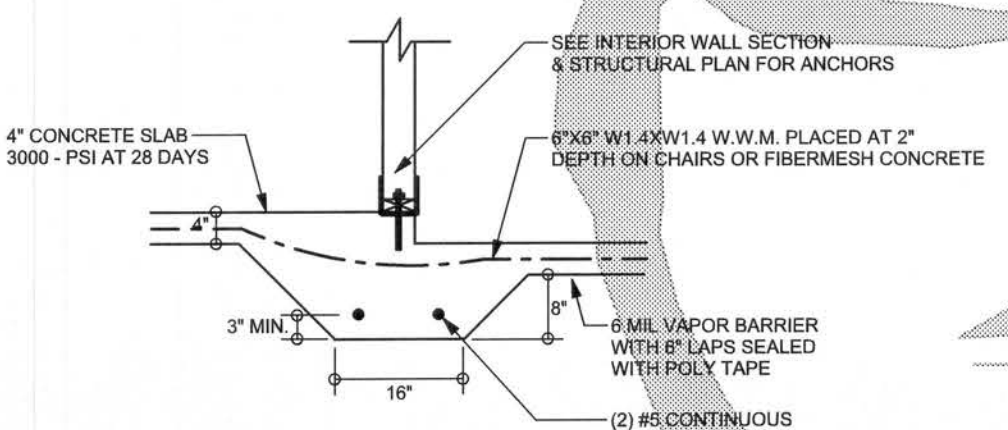
**F9 STEM WALL FOOTING**  
SCALE: 1/2" = 1'-0"



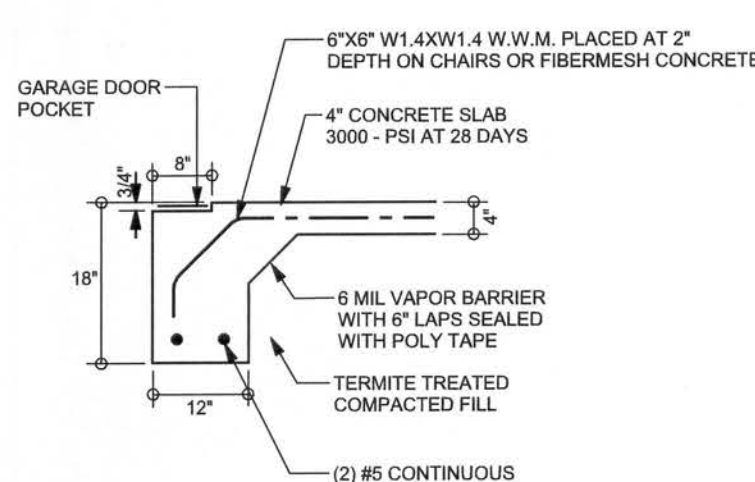
**F2 INTERIOR BEARING FOOTING**  
SCALE: 1/2" = 1'-0"



**F12 ALT. STEM WALL PORCH FOOTING**  
SCALE: 1/2" = 1'-0"



**F3 INTERIOR BEARING STEP FOOTING**  
SCALE: 1/2" = 1'-0"



**F4 GARAGE DOOR FOOTING**  
SCALE: 1/2" = 1'-0"

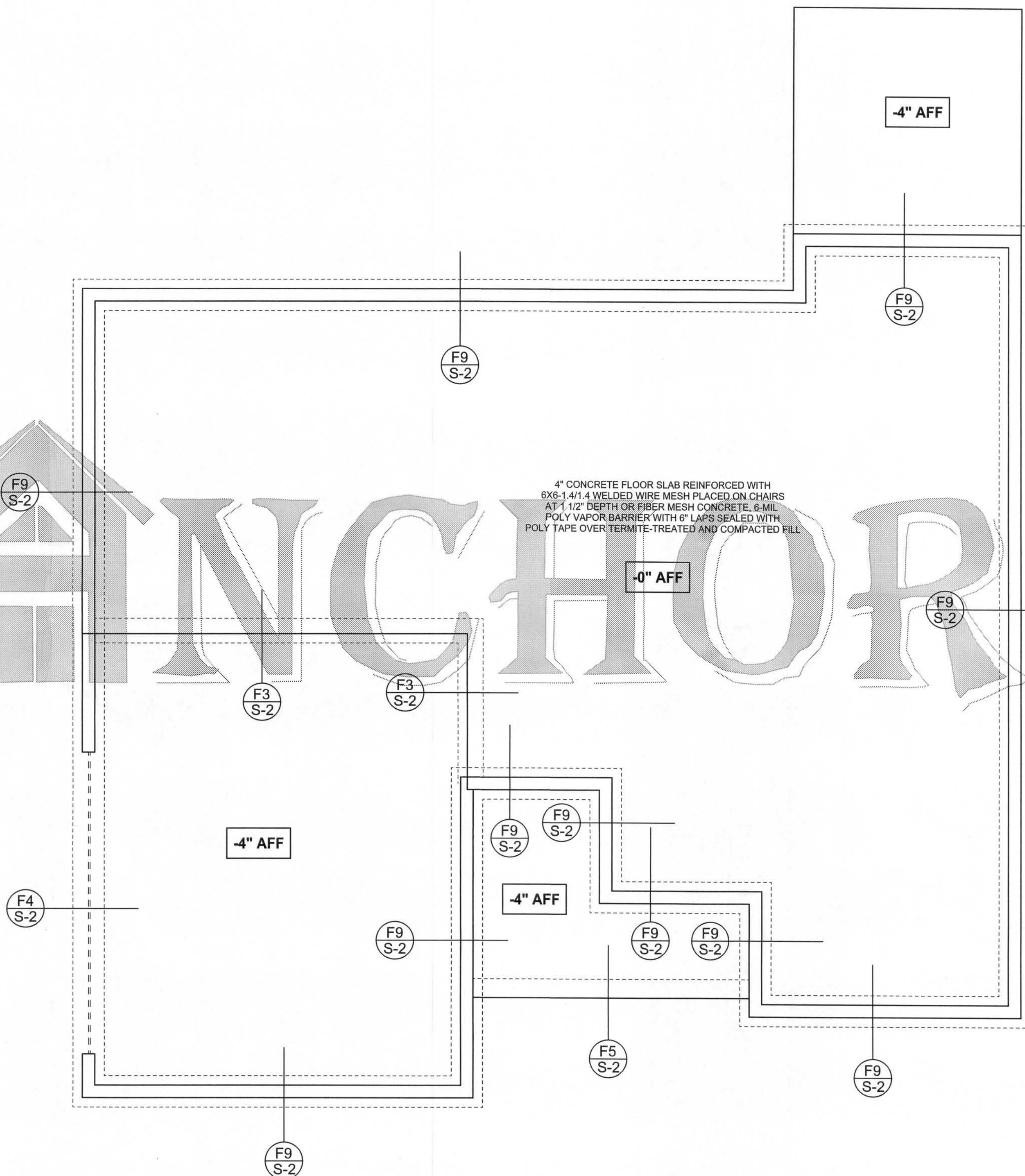
**ALL STEM WALL TABLE**

Table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the infill slab at the top. The vertical steel is to be placed toward the tension side of the U/I wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall over 8' high, add Duowall ladder reinforcement at 16" O.C. vertically or a horizontal bond up with 16" continuous at mid height. For higher parts of the wall 12" CMU may be used in reinforcement as shown in the table below.

| ITEM | WALL UNBALANCED HEIGHT (FEET) | BACKFILL HEIGHT | VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.) |    |    | VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.) |    |    |
|------|-------------------------------|-----------------|---|----|----|--|----|----|
|      |                               |                 | #5  | #7 | #8 | #5   | #7 | #8 |
| 3.3  | 3.0                           | 96              | 96  | 96 | 96 | 96   | 96 | 96 |
| 4.0  | 3.7                           | 96              | 96  | 96 | 96 | 96   | 96 | 96 |
| 4.7  | 4.3                           | 88              | 96  | 96 | 96 | 96   | 96 | 96 |
| 5.3  | 5.0                           | 56              | 96  | 96 | 96 | 96   | 96 | 96 |
| 6.0  | 5.7                           | 40              | 80  | 96 | 96 | 80   | 96 | 96 |
| 6.7  | 6.3                           | 32              | 56  | 80 | 96 | 56   | 96 | 96 |
| 7.3  | 7.0                           | 24              | 40  | 56 | 96 | 40   | 80 | 96 |
| 8.0  | 7.7                           | 16              | 32  | 48 | 96 | 32   | 64 | 80 |
| 8.7  | 8.3                           | 8               | 24  | 32 | 96 | 24   | 48 | 64 |
| 9.3  | 9.0                           | 8               | 16  | 24 | 96 | 16   | 40 | 48 |

**FOUNDATION PLAN**

SCALE: 1/4" = 1'-0"  
DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS



WINDLOAD ENGINEER: Mark Disosway,  
P.E. No. 53815, P.O. Box 868, Lake City, FL  
32056, (386) 754-5419

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

MARK DISOSWAY  
P.E. 53815  
25 JUL 2007  
SEAL

**Adam's Framing & Construction**

Spec House  
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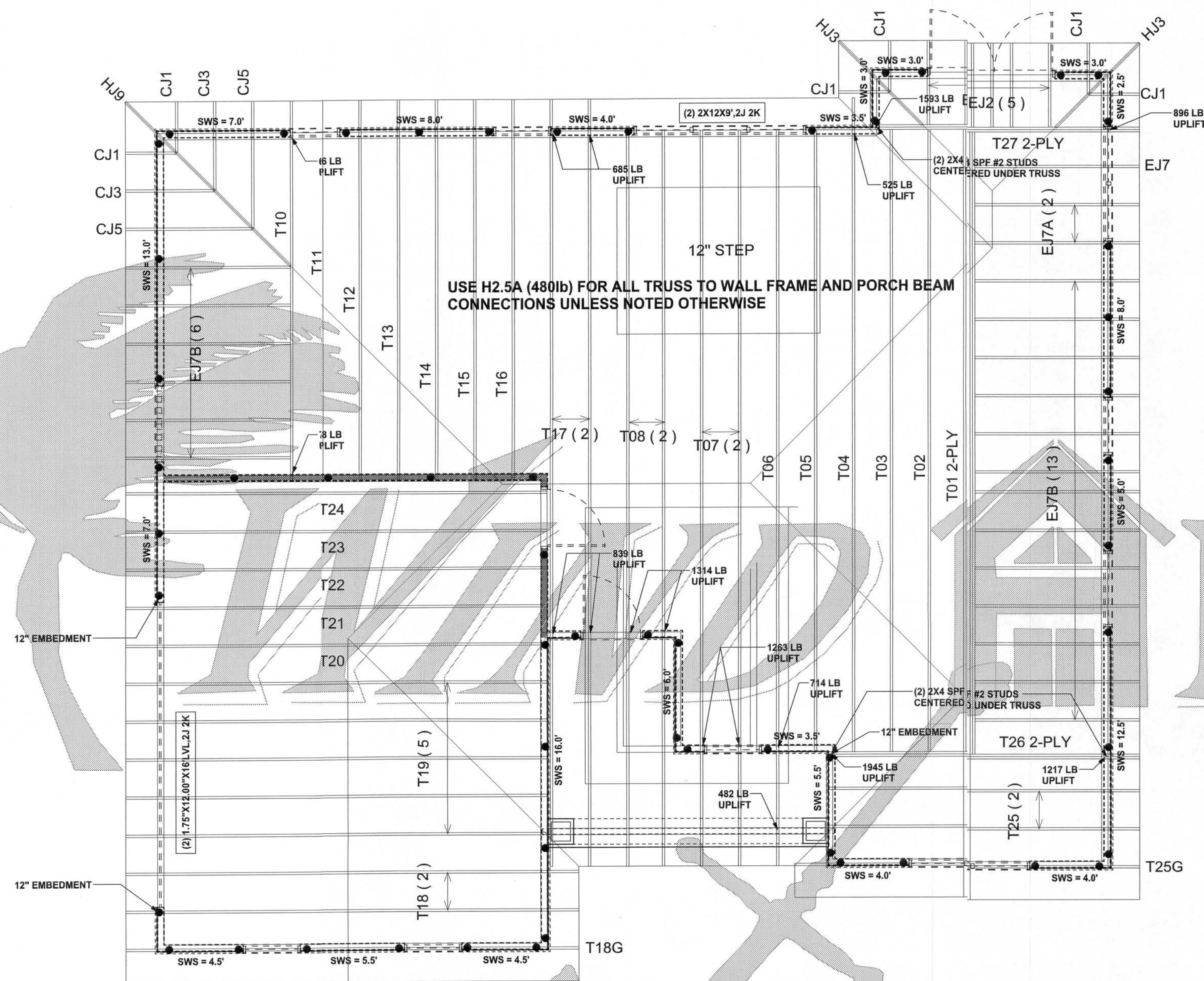
**S-2**

OF 3 SHEETS



| REVISIONS |  |
|-----------|--|
|           |  |
|           |  |
|           |  |

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#### THREADED ROD LEGEND

- INDICATES LOCATION OF:  
1ST FLOOR 1/2" A307 ALL THREADED ROD
- ⊗ INDICATES LOCATION OF:  
2ND FLOOR 1/2" A307 ALL THREADED ROD

#### HEADER LEGEND

- (2) 2X12X9', 1J 1K → HEADER/BEAM CALL-OUT (U.N.O.)
- NUMBER OF KING STUDS (FULL LENGTH)
- NUMBER OF JACK STUDS (UNDER HEADER)
- SPAN OF HEADER
- SIZE OF HEADER MATERIAL
- NUMBER OF PLYS IN HEADER

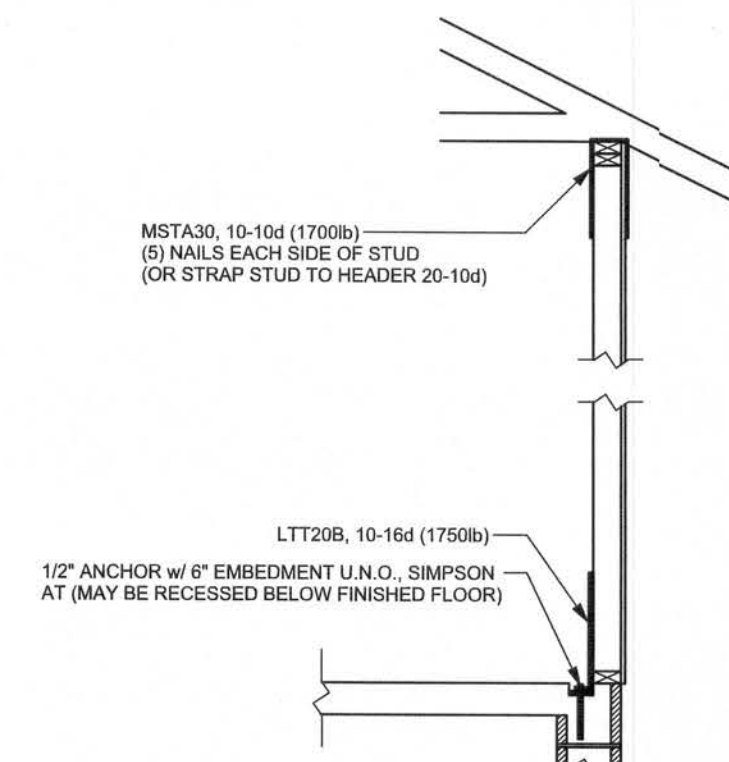
#### TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

|              | REQUIRED | ACTUAL |
|--------------|----------|--------|
| TRANSVERSE   | 36.8'    | 78.5'  |
| LONGITUDINAL | 32.1'    | 54.5'  |

#### WALL LEGEND

|  |                                 |
|--|---------------------------------|
|  | 1ST FLOOR EXTERIOR WALL         |
|  | 2ND FLOOR EXTERIOR              |
|  | 1ST FLOOR INTERIOR BEARING WALL |
|  | 2ND FLOOR INTERIOR BEARING WALL |



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

#### STRUCTURAL PLAN

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

#### STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (3) 2X12 SYP#2 (U.N.O.)
- SN-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STD & (1) KING STUD EACH SIDE (U.N.O.)
- SN-3 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-4 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSI-03, BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

CONNECTIONS, WALL, & HEADER DESIGN IS BASED  
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING  
FURNISHED BY BUILDER. BUILDERS FIRST SOURCE  
JOB #L24491

WINDLOAD ENGINEER: Mark Disosway,  
PE No. 5315, POB 868, Lake City, FL  
32056, 386-754-5419

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MARK DISOSWAY  
P.E. 5315  
[Signature]  
SEAL

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S-3

OF 3 SHEETS