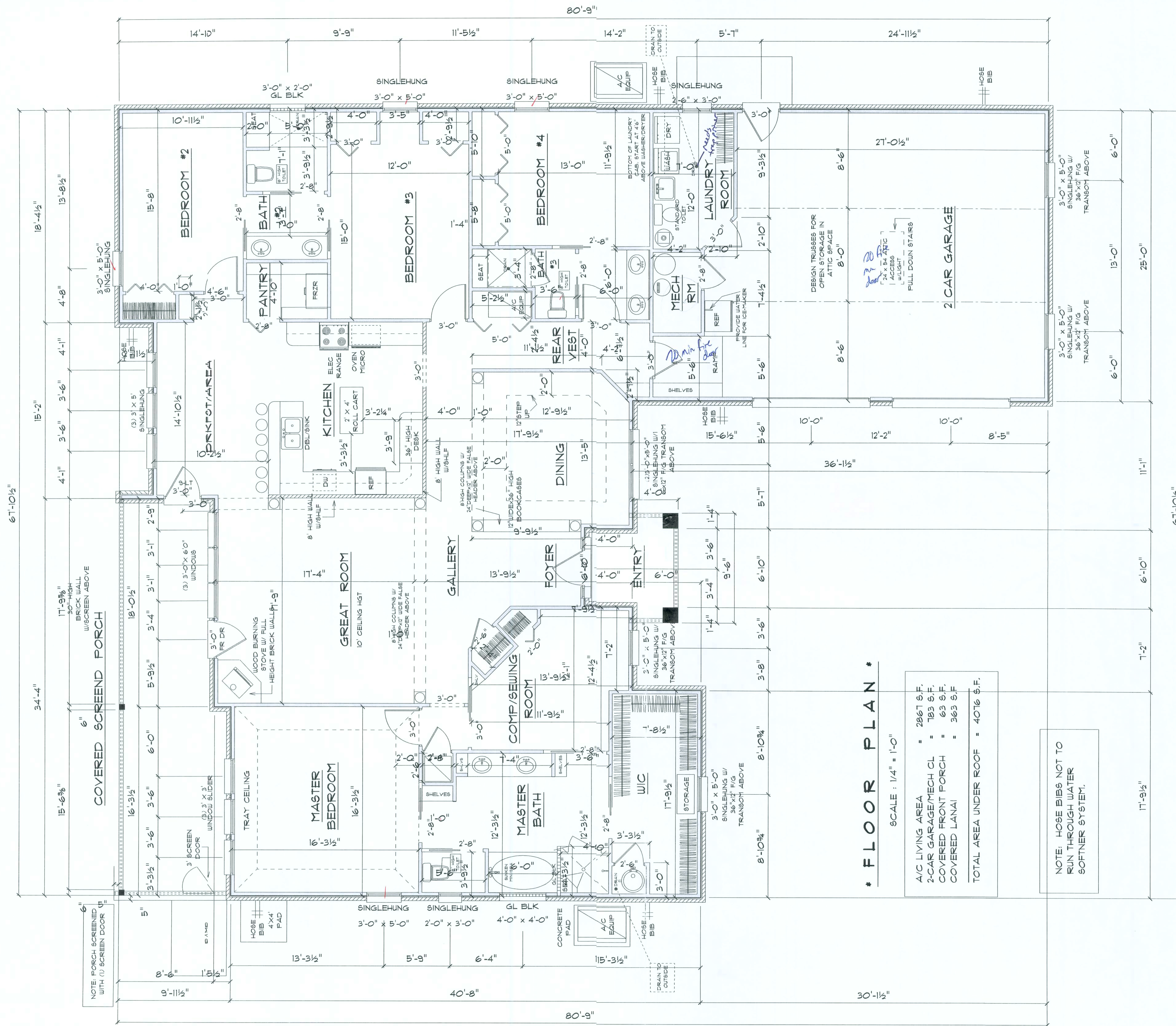




| REVISIONS |  |
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SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

**RESIDENCE**  
for  
**ROSE WILSON**  
N

**FOREST COUNTRY**  
**LAKE CITY FLORIDA**

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PRINTED DATE:  
JULY 20, 2006

DRAWN BY: *Teresa H. Ruffo* CHECKED BY: *Teresa H. Ruffo*

BUILDING CONTRACTOR:  
**ZECHER CONSTRUCTION**

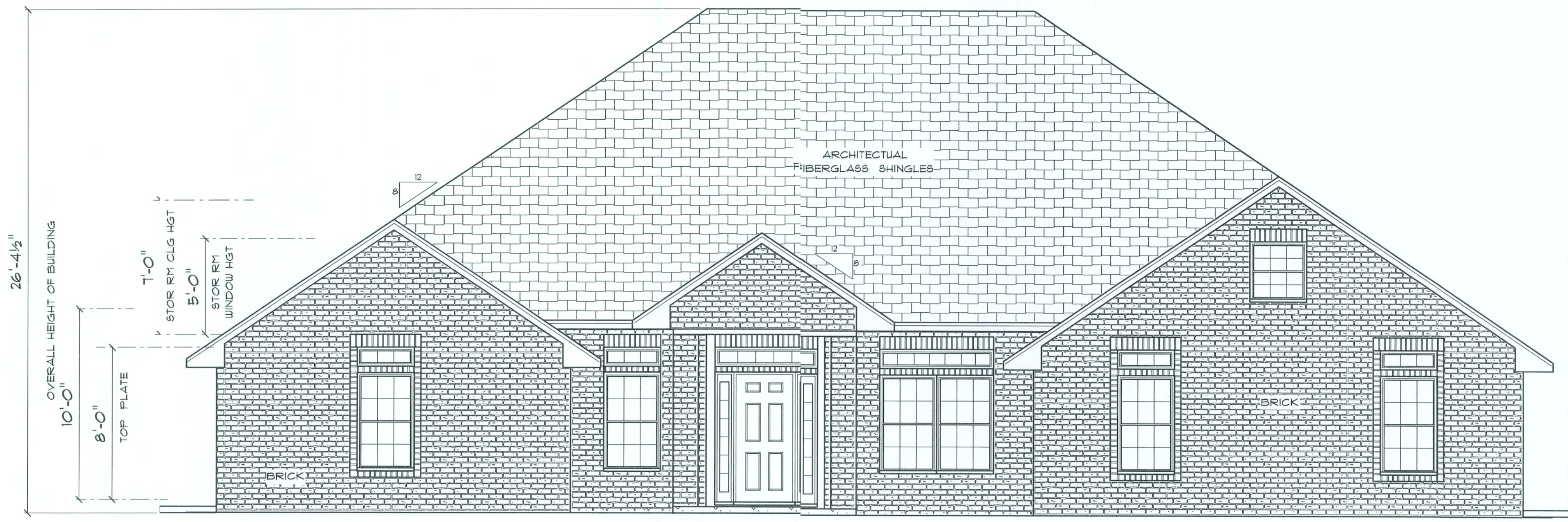
FINALS DATE:  
JULY 2006

JOB NUMBER:

DRAWING NUMBER  
**A-1**  
OF 5 SHEETS

| REVISIONS |  |
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\* FRONT ELEVATION \*

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



\* REAR ELEVATION \*

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

RESIDENCE  
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PRINTED DATE:  
July 20, 2015

DRAWN BY: Tesana M. Ruffo CHECKED BY:  

BUILDING CONTRACTOR  
ZECHER CONSTRUCTION

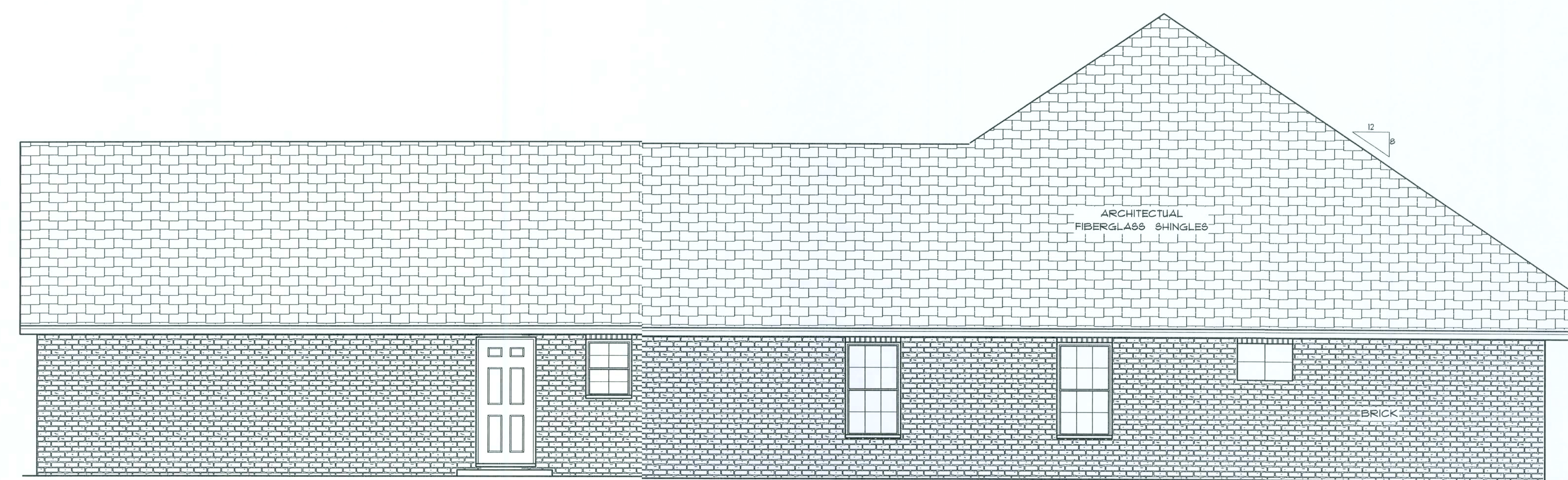
FINALS DATE:  
JULY 2006

JOB NUMBER:  

DRAWING NUMBER  
**A-2**  
OF 5 SHEETS

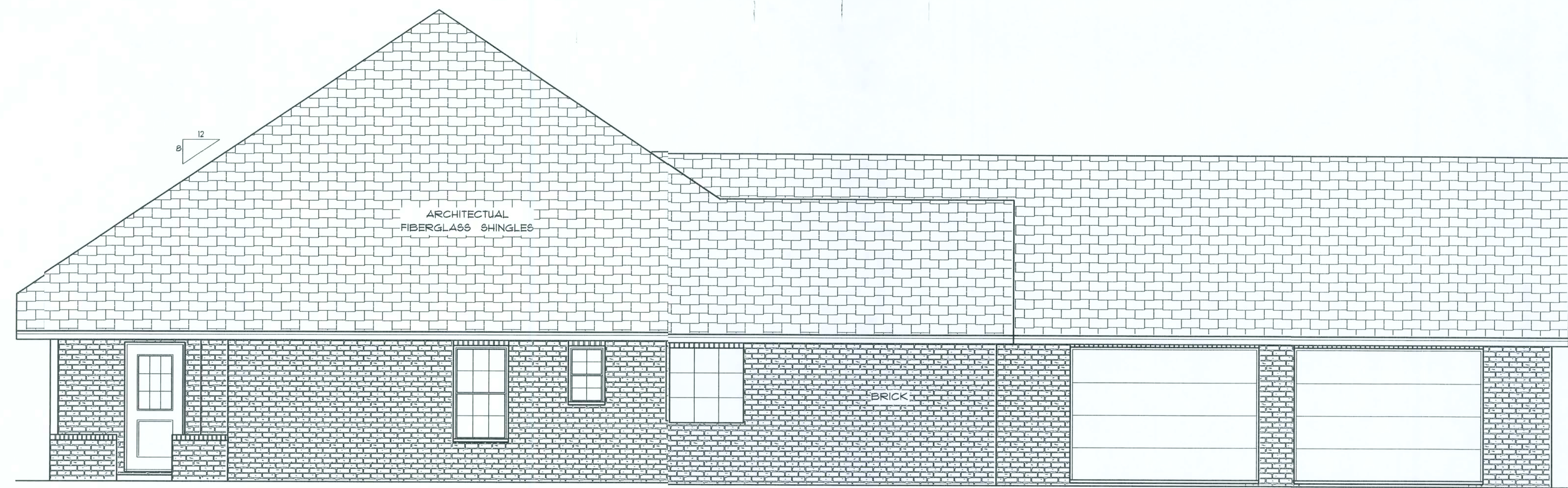
| REVISIONS |  |
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SOFTPLAN  
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\* RIGHT SIDE ELEVATION \*

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



\* LEFT SIDE ELEVATION \*

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

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PRINTED DATE:  
July 2, 2006

DRAWN BY: *Tesni M. Ruffo* CHECKED BY:

BUILDING CONTRACTOR  
ZECHER CONSTRUCTION

FINALS DATE:  
JULY 2006

JOB NUMBER:

DRAWING NUMBER  
**A-3**  
OF 3 SHEETS

| ELECTRICAL                 | COUNT | SYMBOL |
|----------------------------|-------|--------|
| chandelier                 | 3     | ☼      |
| wall mount l               | 3     | ◊      |
| electrical panel           | 1     | ⏏      |
| 200 amp service panel      | 1     | ⏏      |
| 3 way switch with dimmer   | 1     | ⚡      |
| automatic garage dr opener | 2     | ⚡      |
| cable tv outlet            | 16    | ⚡      |
| ceiling fan                | 11    | ⚡      |
| dbie flood lights          | 4     | ⚡      |
| dimmer switch              | 1     | ⚡      |
| electric meter             | 1     | ⚡      |
| floor outlet               | 2     | ⚡      |
| fluorescent lt fixture     | 4     | ⚡      |
| garage dr opener           | 4     | ⚡      |
| gfi waterproof outlet      | 14    | ⚡      |
| light                      | 23    | ⚡      |
| outlet                     | 48    | ⚡      |
| outlet 220v                | 10    | ⚡      |
| outlet gfi                 | 21    | ⚡      |
| recessed can light         | 16    | ⚡      |
| smoke detector             | 9     | ⚡      |
| switch                     | 38    | ⚡      |
| switch 3 way               | 22    | ⚡      |
| telephone                  | 11    | ⚡      |
| vent light combo           | 5     | ⚡      |

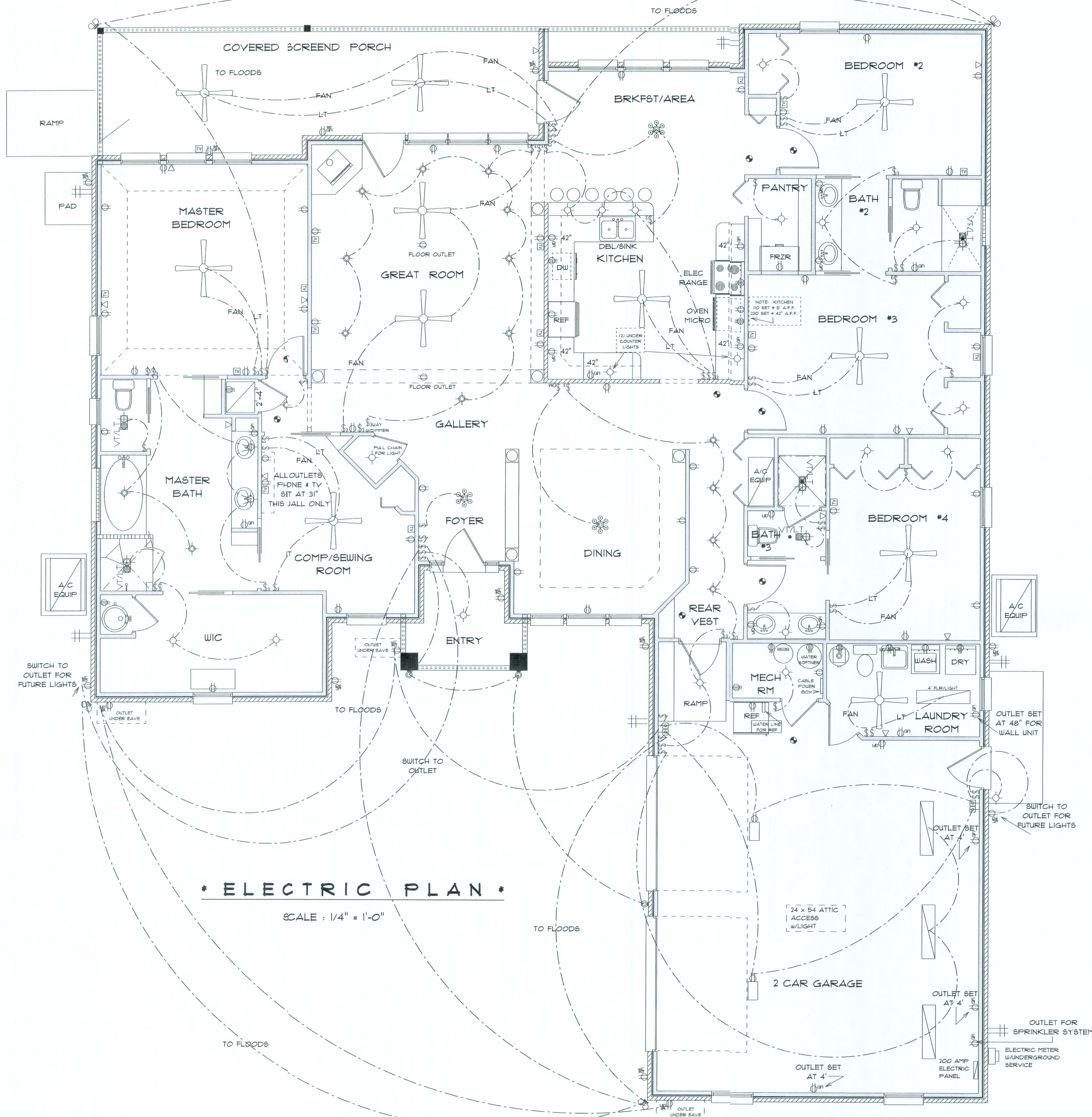
IMPORTANT NOTE:  
OVERCURRENT PROTECTION DEVICE SHALL BE INSTALLED ON THE EXTERIOR OF STRUCTURE TO SERVE AS A DISCONNECTING MEANS. CONDUCTORS USED FROM THE EXT. DISCONNECTING MEANS TO A PANEL OR SUB PANEL SHALL HAVE 4-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR SHALL BE USED AS AN EQUIPMENT GROUND.

# ELECTRICAL PLAN NOTES

- E-1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.
- E-2 CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
- E-4 ALL INSTALLATIONS SHALL BE PER NATIONAL ELECTRIC CODE.
- E-3 ALL SMOKE DETECTORS SHALL BE 120V W/BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
- E-5 TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTION AND IN ACCORDANCE WITH APPLICABLE SECTIONS OF NATIONAL ELCT. CODE LATEST EDITION.
- E-6 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- E-7 ENTRY OF SERVICE UNDERGROUND OR OVERHEAD) IS TO BE DETERMINED BY THE POWER COMPANY.
- E-8 ALL BEDROOM RECEPTALS ARE TO BE AFCI (ARC FAULT CIRCUIT INTERRUPT)

## \* ELECTRIC PLAN \*

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



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BUILDING CONTRACTOR  
ZECHER CONSTRUCTION

FINALS DATE:  
JULY 2006

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DRAWING NUMBER

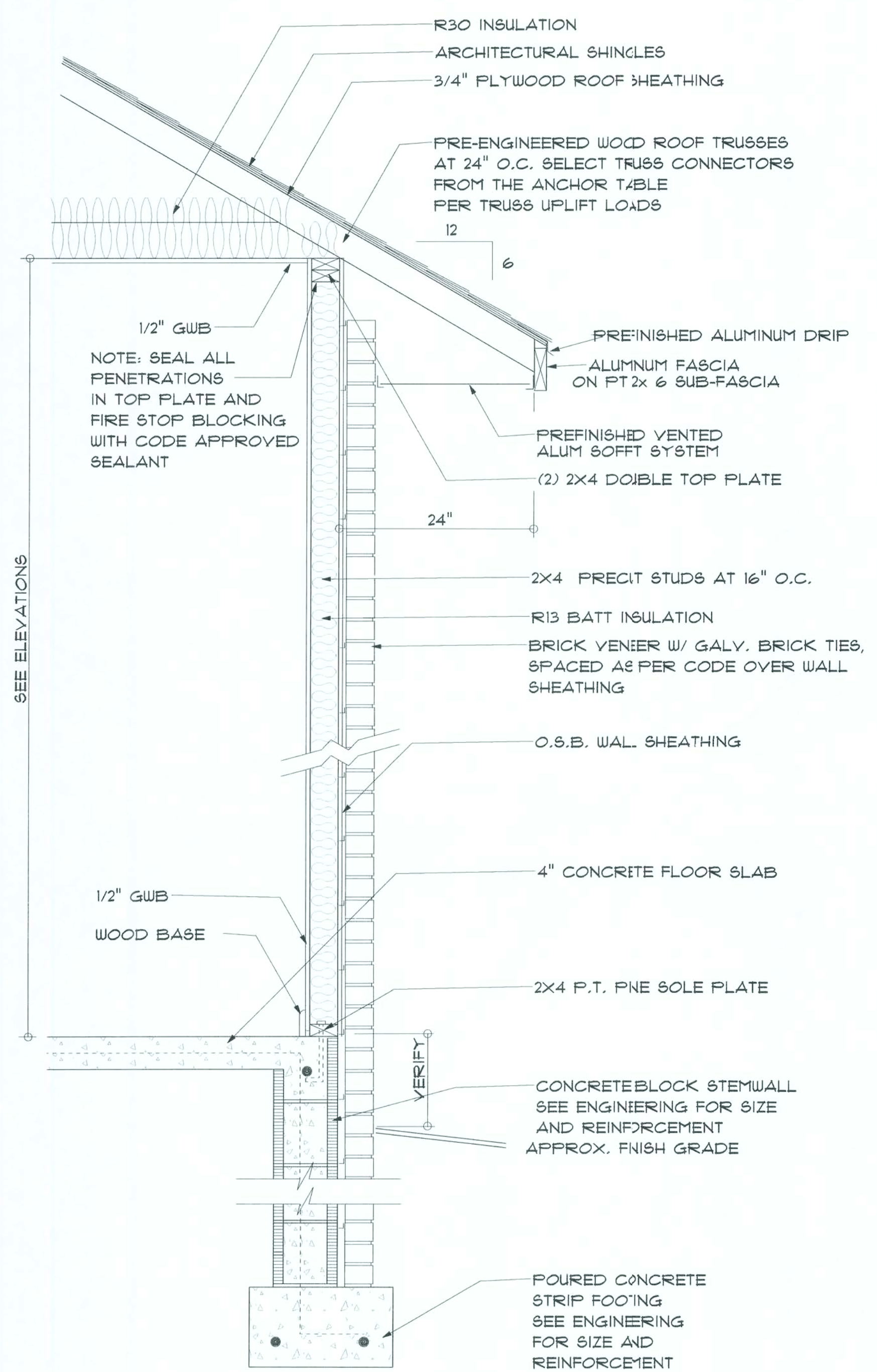
A-4  
OF 5 SHEETS

LOT #6  
OF  
FOREST COUNTRY

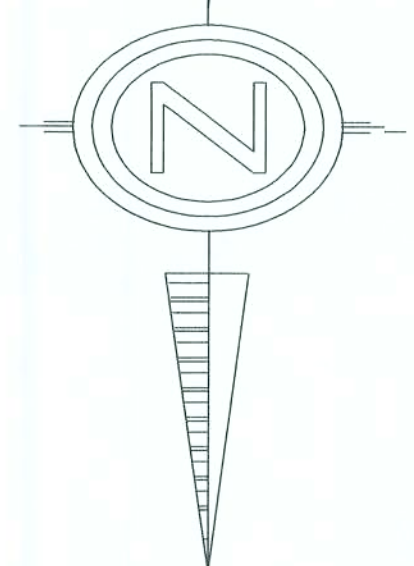
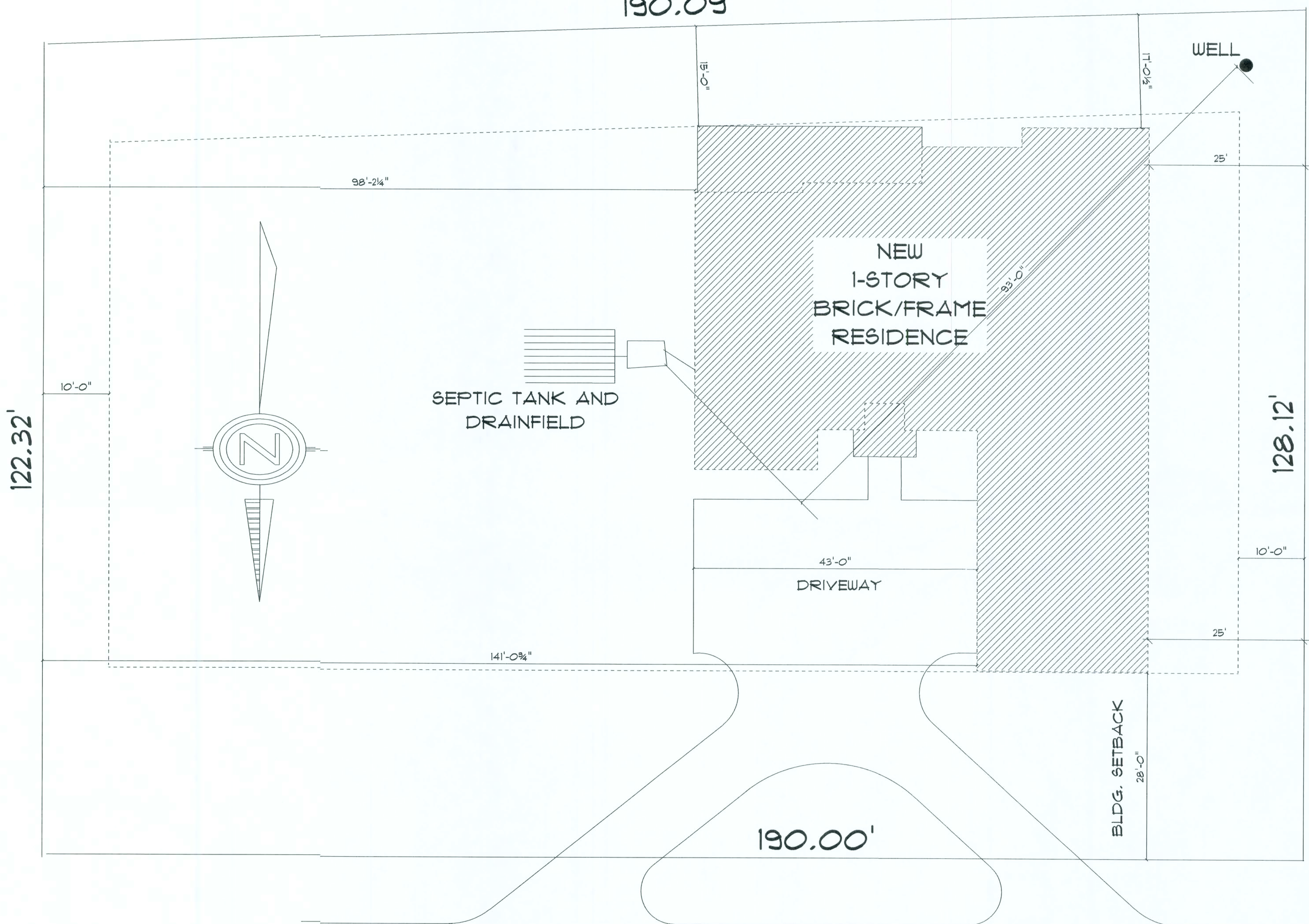
190.09'

| REVISIONS |  |
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TYPICAL DESIGN WALL SECTION  
NON - STRUCTURAL DATA  
N.T.S.



SHORTLEAF STREET

\* SITE PLAN \*

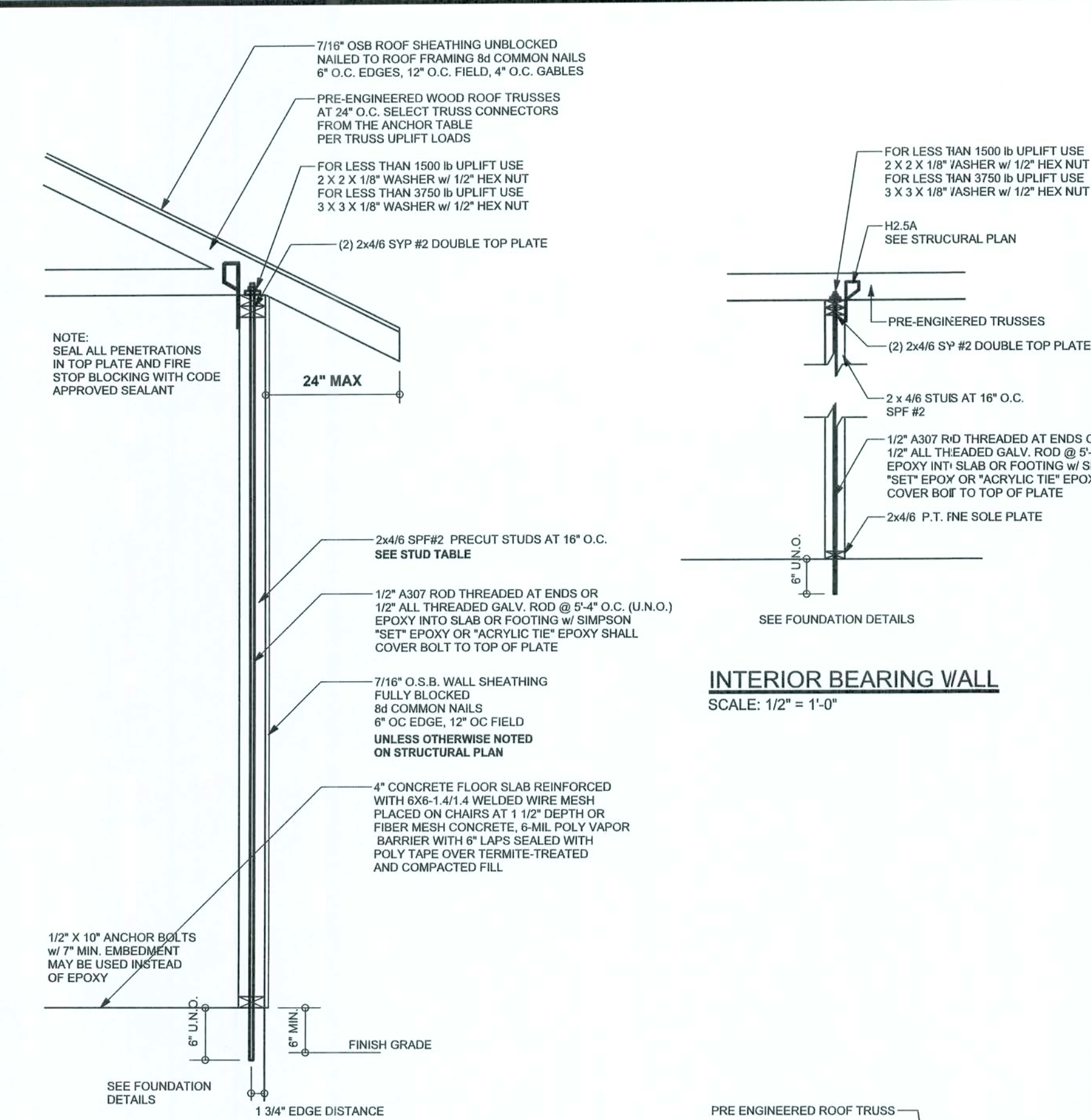
SCALE : 1" = 10'-0'

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PRINTED DATE:  
July 20, 2006

|                                             |             |
|---------------------------------------------|-------------|
| DRAWN BY:<br>Teresa M. Ruffo                | CHECKED BY: |
| BUILDING CONTRACTOR<br>ZECHER CONSTRUCTION  |             |
| FINALS DATE:<br>JULY 2006                   |             |
| JOB NUMBER:                                 |             |
| DRAWING NUMBER<br><b>A-5</b><br>OF 5 SHEETS |             |

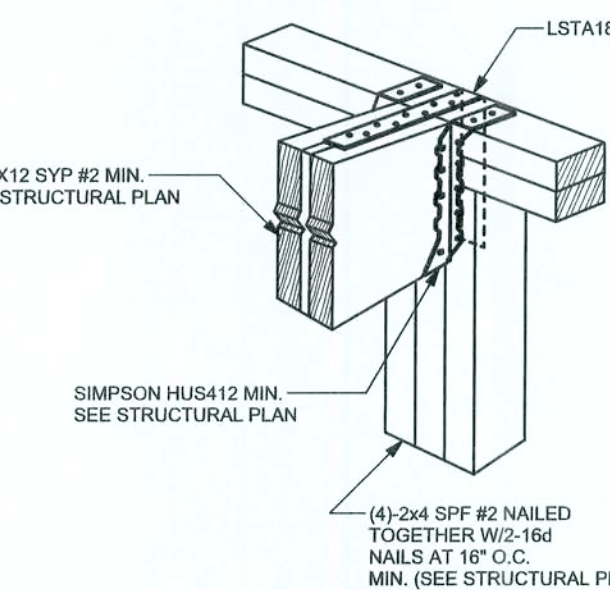


**ONE STORY WALL SECTION**  
SCALE: 3/4\" = 1'-0"

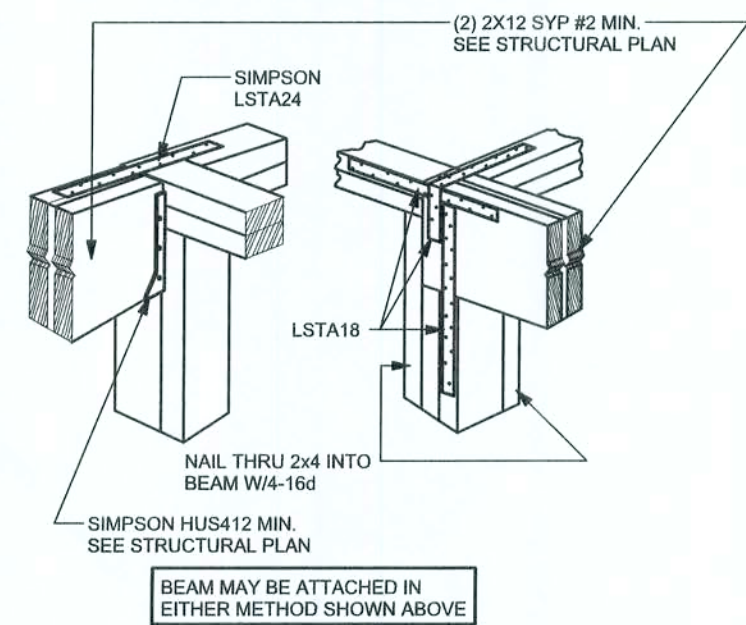
#### EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

|                   |                         |
|-------------------|-------------------------|
| (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 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. x 0.85 = 13.6\" O.C.



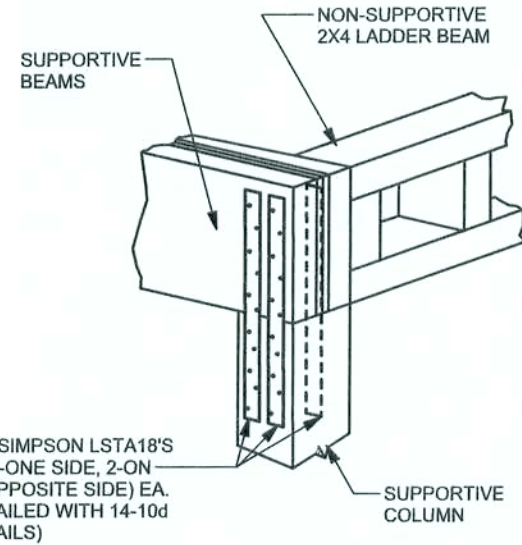
**BEAM MID-WALL CONNECTION DETAIL**  
SCALE: N.T.S.



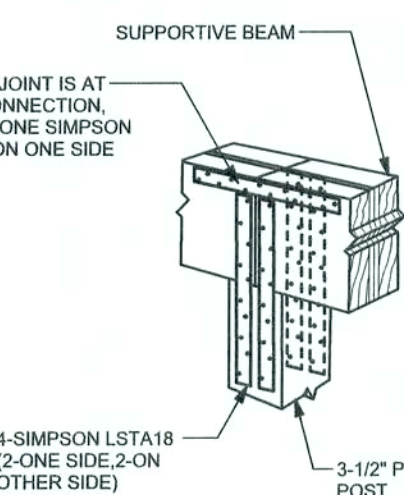
**BEAM CORNER CONNECTION DETAIL**  
SCALE: N.T.S.

#### CONTINUOUS FRAME TO CEILING DIAPHRAGM DETAIL

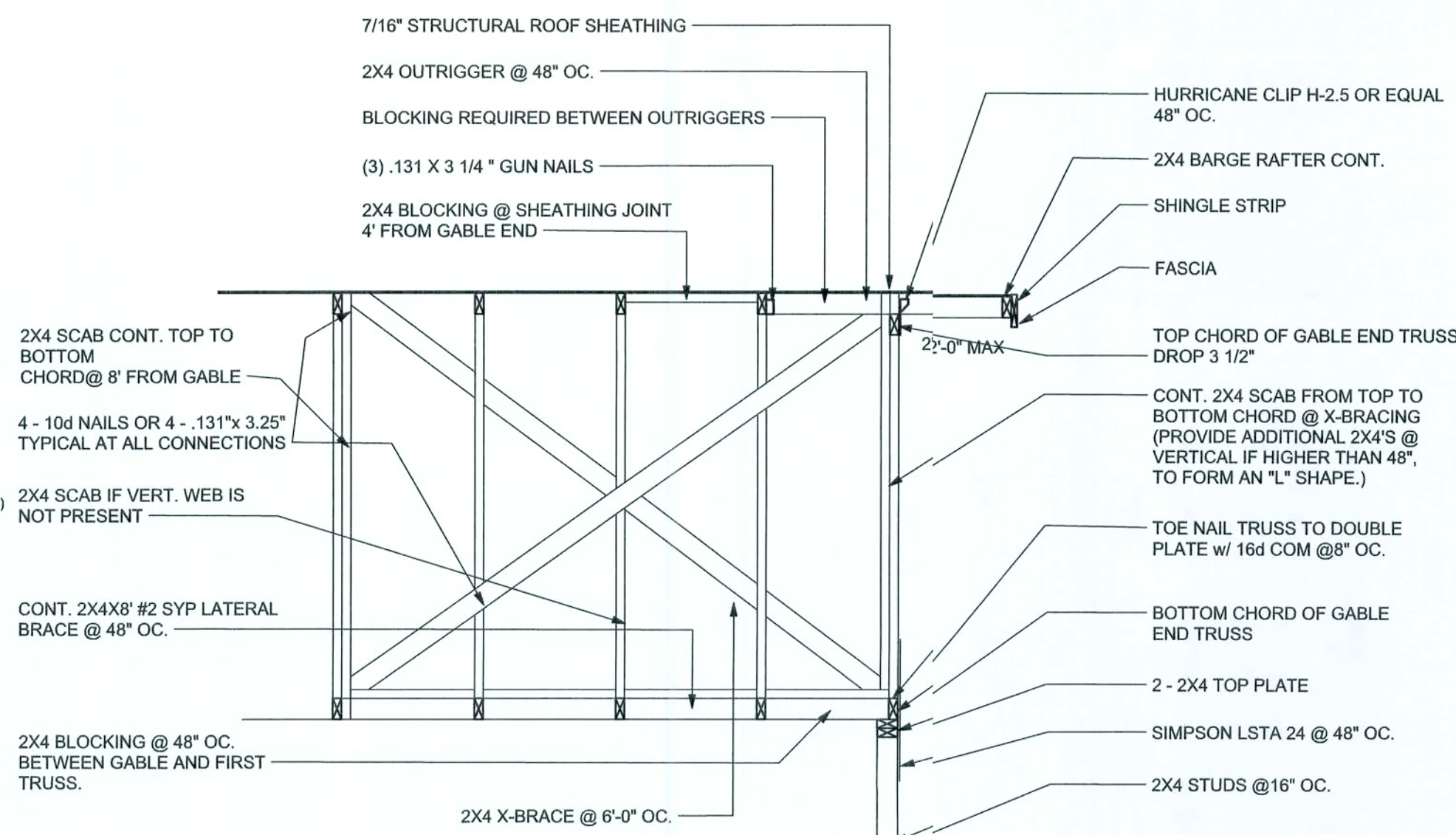
SCALE: N.T.S.



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

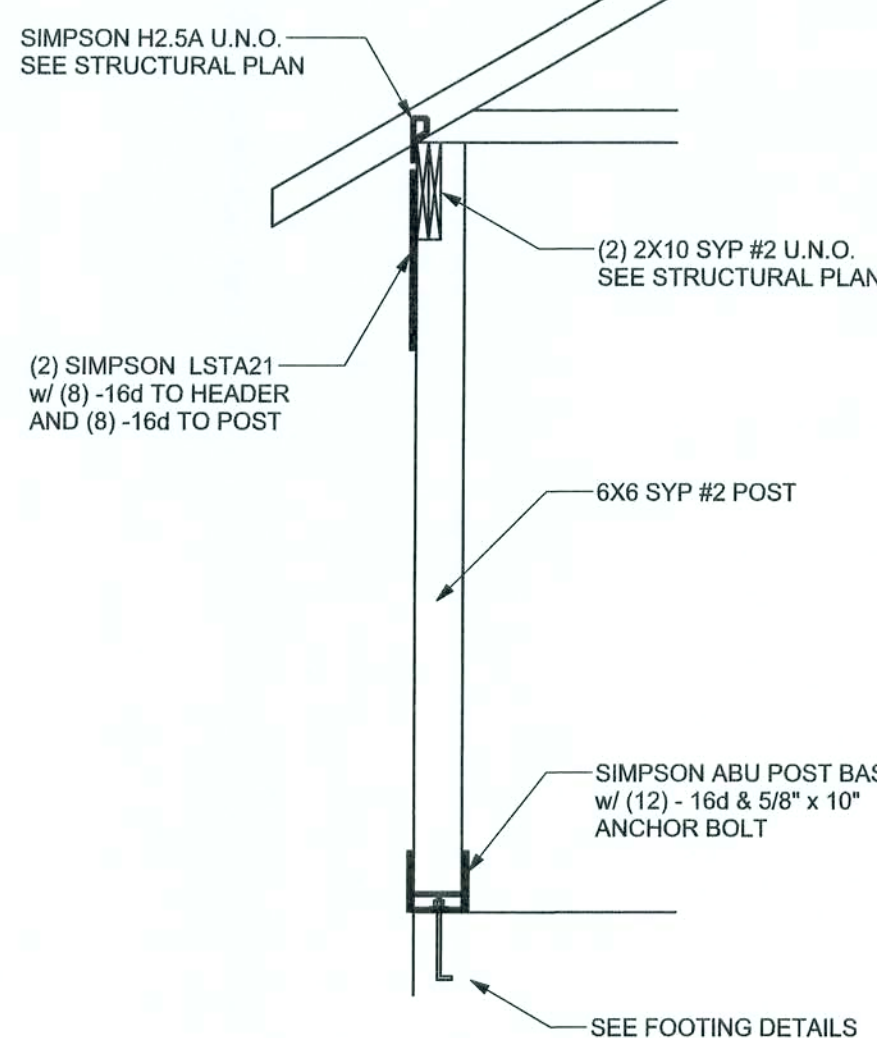


**SUPPORTIVE CENTER POST TO BEAM DETAIL**  
SCALE: N.T.S.



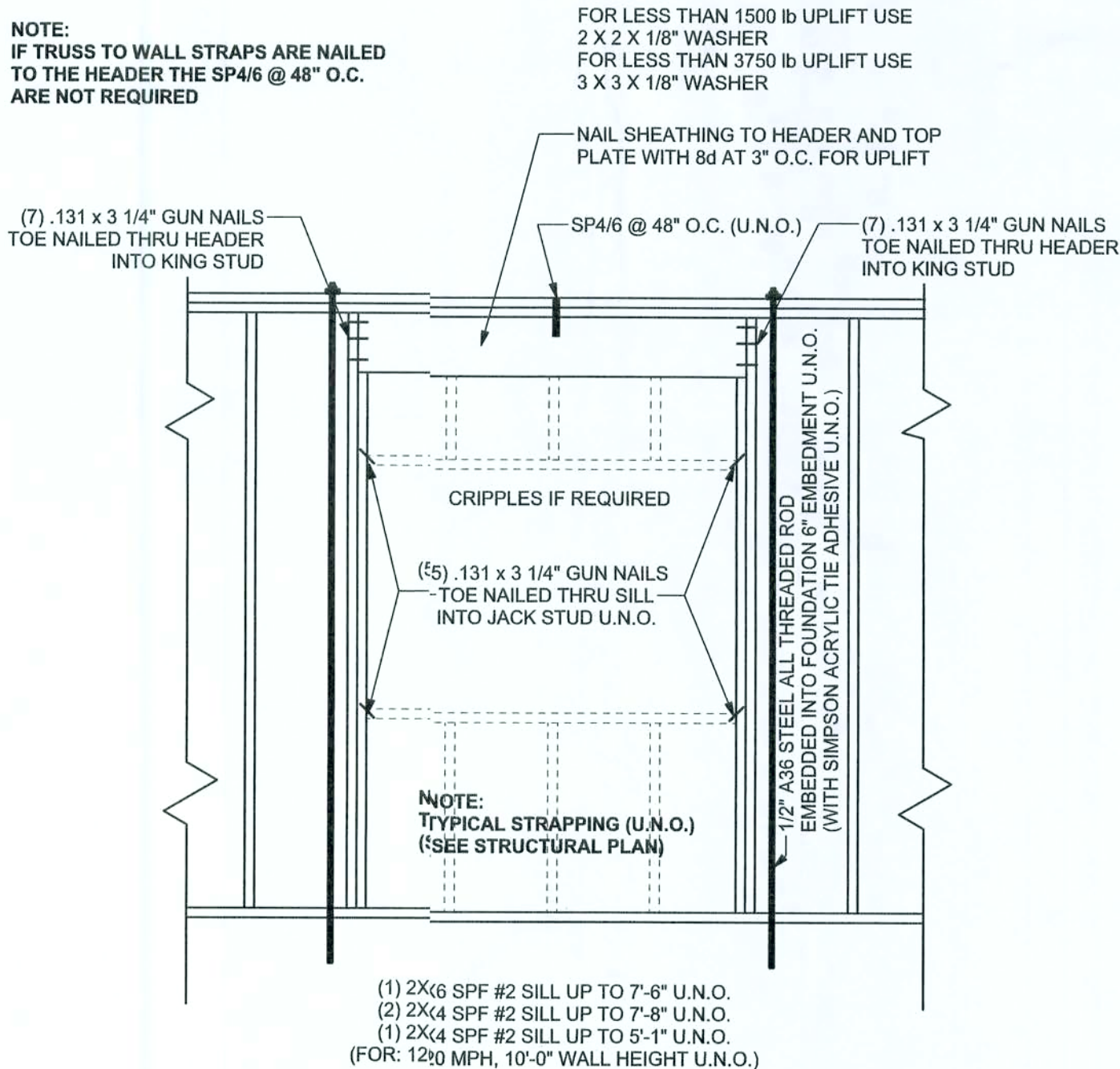
#### TYPICAL GABLE END (X-BRACING)

ALL MEMBERS SHALL BE SYP



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

NOTE: IF TRUSS TO WALL STRAPS ARE NAILED TO THE HEADER THE SP4/6 @ 48\" O.C. ARE NOT REQUIRED



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

#### ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

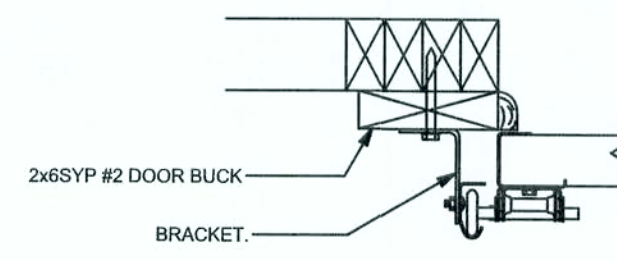
| UPLIFT LBS. SYP        | UPLIFT LBS. SPF | TRUSS CONNECTOR*      | TO PLATES      | TO RAFTER/TRUSS | TO STUDS                            |
|------------------------|-----------------|-----------------------|----------------|-----------------|-------------------------------------|
| < 420                  | < 245           | H5A                   | 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            |                                     |
| < 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                 | 8-10d          | 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          | LG2                   | 14-16d         | 14-16d          |                                     |
| HEAVY GIRDER TIEDOWNS* |                 |                       |                |                 | TO FOUNDATION                       |
| < 3965                 | < 3330          | MGT                   |                | 22-10d          | 1-5/8\" THREADED ROD 12\" EMBEDMENT |
| < 10980                | < 6485          | HGT-2                 |                | 16-10d          | 2-5/8\" THREADED ROD 12\" EMBEDMENT |
| < 10530                | < 9035          | HGT-3                 |                | 16-10d          | 2-5/8\" THREADED ROD 12\" EMBEDMENT |
| < 9250                 | < 9250          | HGT-4                 |                | 16-10d          | 2-5/8\" THREADED ROD 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          | LTT31                 | 18-10d, 1 1/2" |                 | 1/2\" AB                            |
| < 2775                 | < 2570          | HD2A                  | 2-5/8\" BOLTS  |                 | 5/8\" AB                            |
| < 4175                 | < 3655          | HTT16                 | 18-16d         |                 | 5/8\" AB                            |
| < 1400                 | < 1400          | PAHD42                | 16-16d         |                 |                                     |
| < 3335                 | < 3335          | HPAH022               | 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                          |

#### 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                     |

**2x6 SYP #2 GARAGE DOOR BUCK ATTACHMENT**  
ATTACH GARAGE DOOR BUCK TO STUD PACK AT EACH SIDE OF DOOR OPENING WITH 3/8\" x 4\" 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**  
SCALE: N.T.S.

#### 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 SHALL BE 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 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 CONNECTION 419LB 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<sub>c</sub> = 3000 PSI.

WELED WIRE REINFORCED SLAB: 6\" x 6\" W14 x W14, FB = 85KSI, WELED 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 10 INCH TO 3 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 WWW 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, F<sub>y</sub> = 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 BEAM: GLULAM BEAM, GLB, 24F-V3SP, F<sub>b</sub> = 2,484, E = 1800ksi; UNO, SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALC. 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 FASTENED WITH 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 ROM BEAM OR 10\" 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 2\" x 3\" x 9/16\"; 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 OMTS A CONTINUOUS LOAD PATH CONNECTION, CALL THE WIND LOAD ENGINEER IMMEDIATELY.

VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

#### ROOF SYSTEM DESIGN

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.

#### 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 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

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> ) |      |       |
|------------------------------------------|----------------------------------------|------|-------|
| 1                                        | 19.9 -21.8                             | 18.1 | -18.1 |
| 2                                        | 19.9 -25.5                             | 18.1 | -21.8 |
| 2 Ohg                                    | -40.6                                  |      | -40.6 |
| 3                                        | 19.9 -25.5                             | 18.1 | -21.8 |
| 3 Ohg                                    | -68.3                                  |      | -42.4 |
| 4                                        | 21.8 -23.6                             | 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 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) |                                        |

#### REVISIONS

|  |  |  |  |
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|  |  |  |  |

SOFTWARE  
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Dissway, P.E. No.53915, POB 886, Lake City, FL 32056, 386-754-5419

DIMENSIONS: Stated dimensions supersede scaled dimensions. Refer all questions to Mark Dissway, 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.

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P.E. 53915

SEAL

Bryan Zecher  
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Rose Wilson  
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PRINTED DATE:  
August 6, 2006  
DRAWN BY: David Dissway  
STRUCTURAL BY:

FINALS DATE:  
16 / Aug / 06

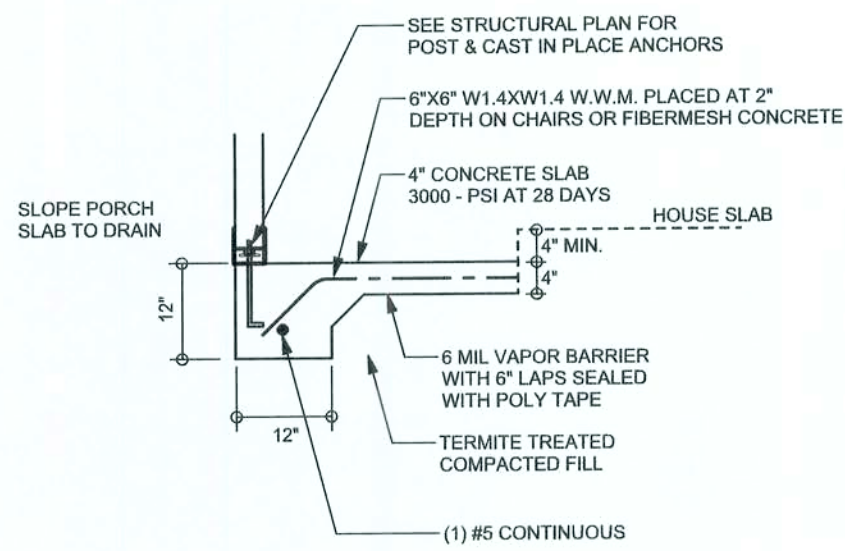
JOB NUMBER:  
608152

DRAWINGS NUMBER

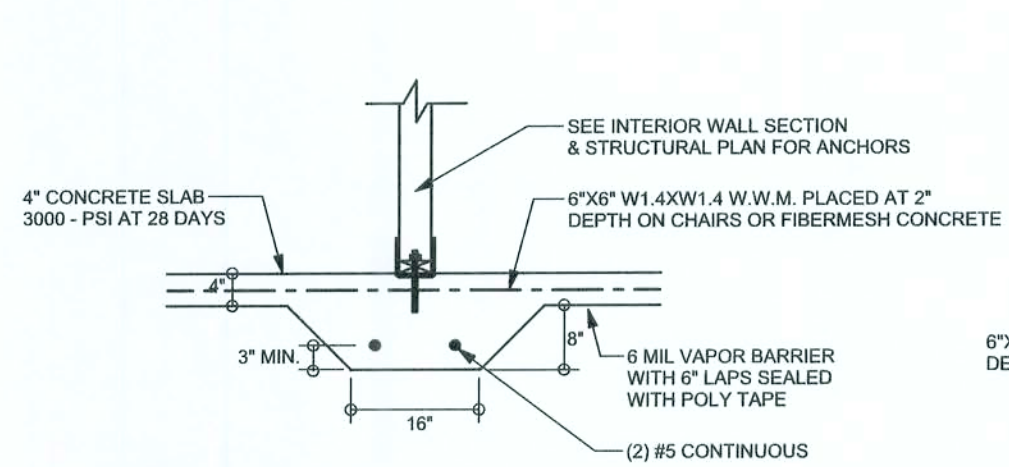
S-1

OF 3 SHEETS

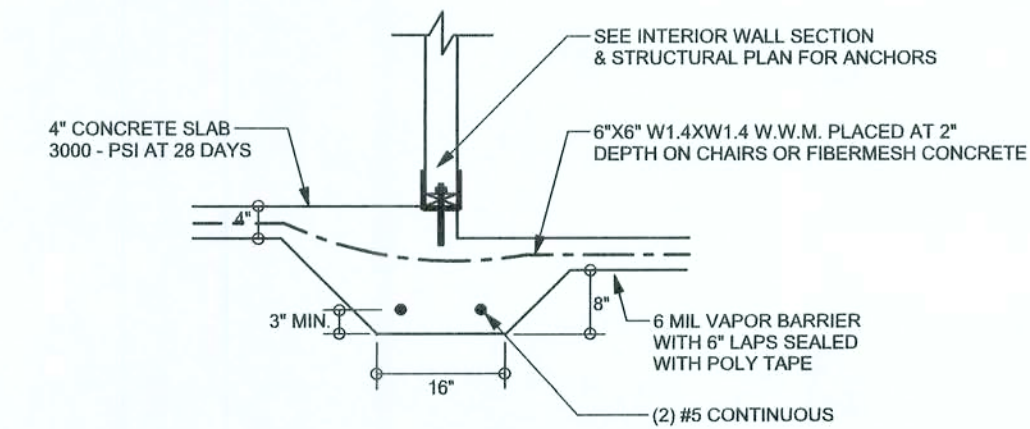
OFFICE 20A1



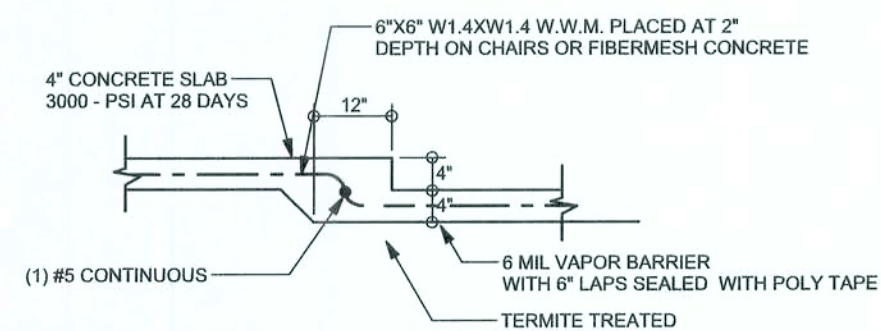
**F5 S-2** PORCH FOOTING  
SCALE: 1/2" = 1'-0"



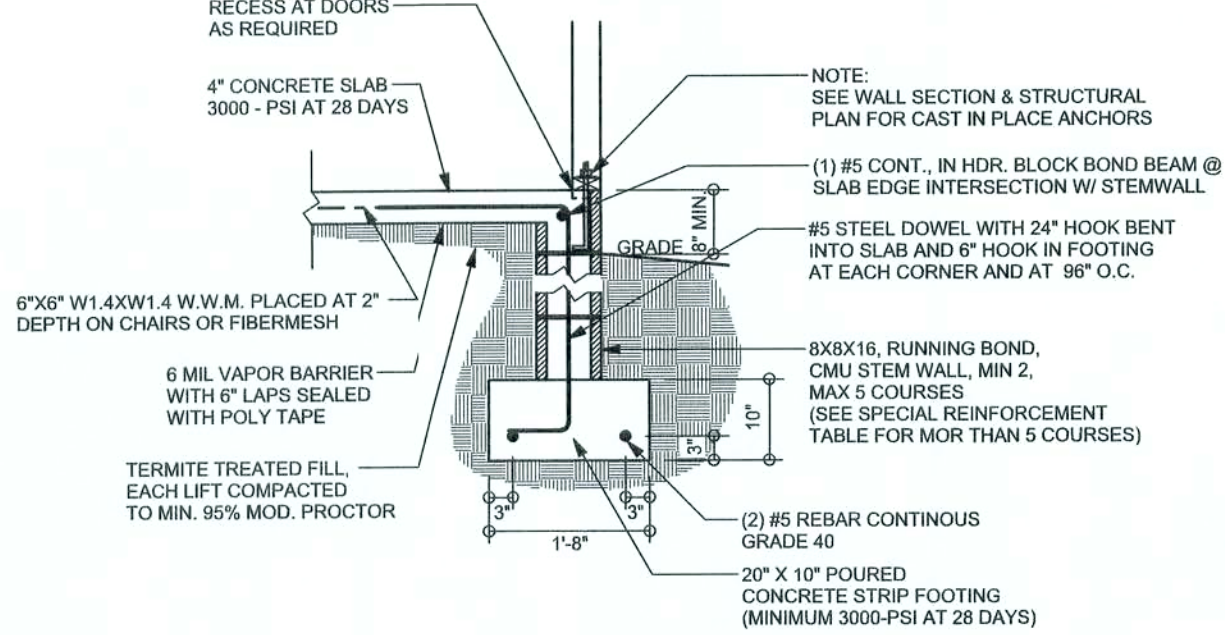
**F2 S-2** INTERIOR BEARING FOOTING  
SCALE: 1/2" = 1'-0"



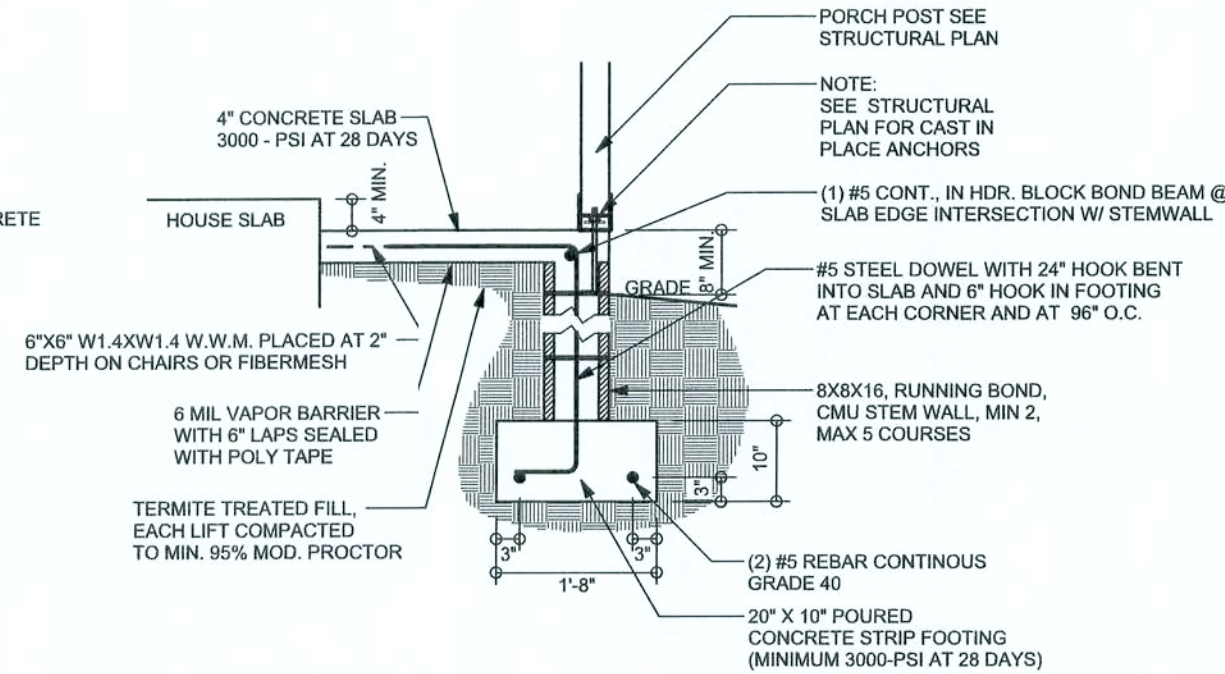
**F3 S-2** INTERIOR BEARING STEP FOOTING  
SCALE: 1/2" = 1'-0"



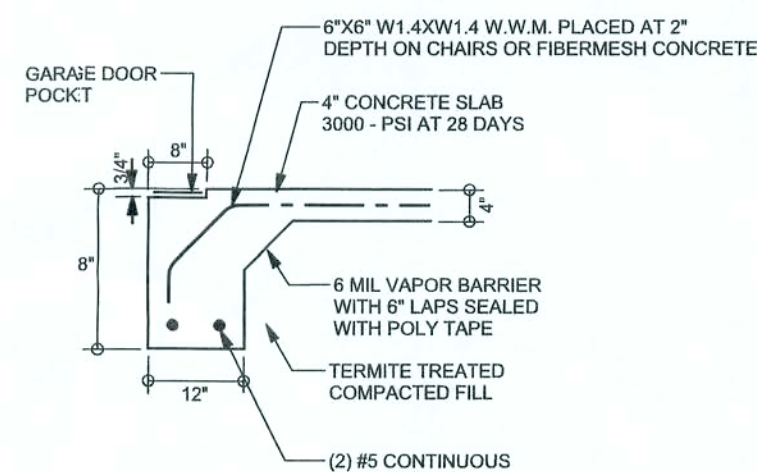
**F6 S-2** TYPICAL NON - BEARING STEP FOOTING  
SCALE: 1/2" = 1'-0"



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



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

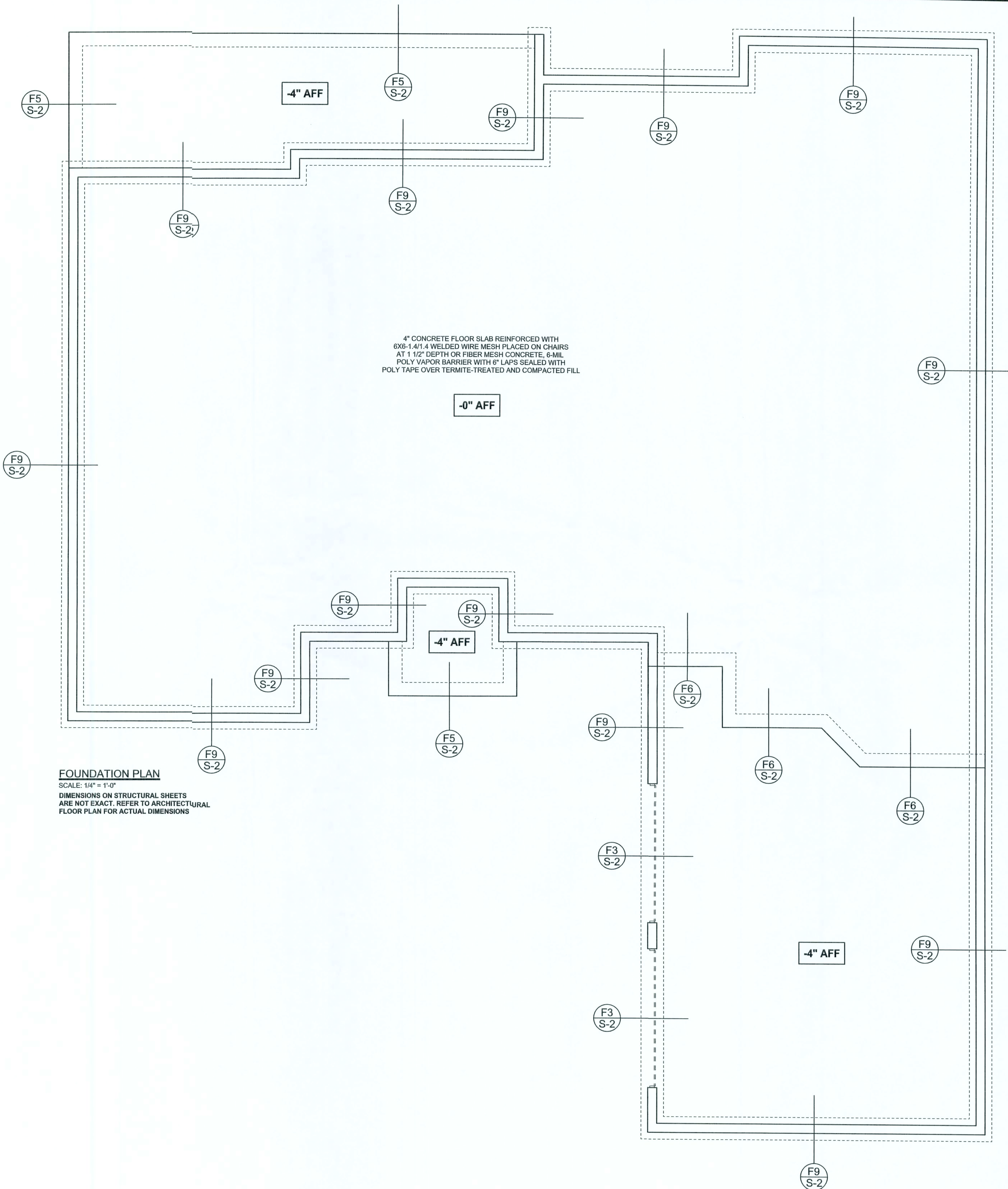


**F13 S-2** ALT STEM WALL GARAGE DOOR FOOTING  
SCALE: 1/2" = 1'-0"

#### 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. 16 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 Duowalladder reinforcement at 16"OC vertically or a horizontal bond beam with 16S continuous rim height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

| STEM WALL HEIGHT (FEET) | UNBALANCE 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 |
| 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 |



#### FOUNDATION PLAN

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

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

#### REVISIONS

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

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

DIMENSIONS:  
Stated dimensions supersede scaled  
dimensions. Refer all questions to  
Mark Disoway, P.E. for 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. 53915

*Mark Disoway*  
SEAL

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PRINTED DATE:  
August 16, 2006

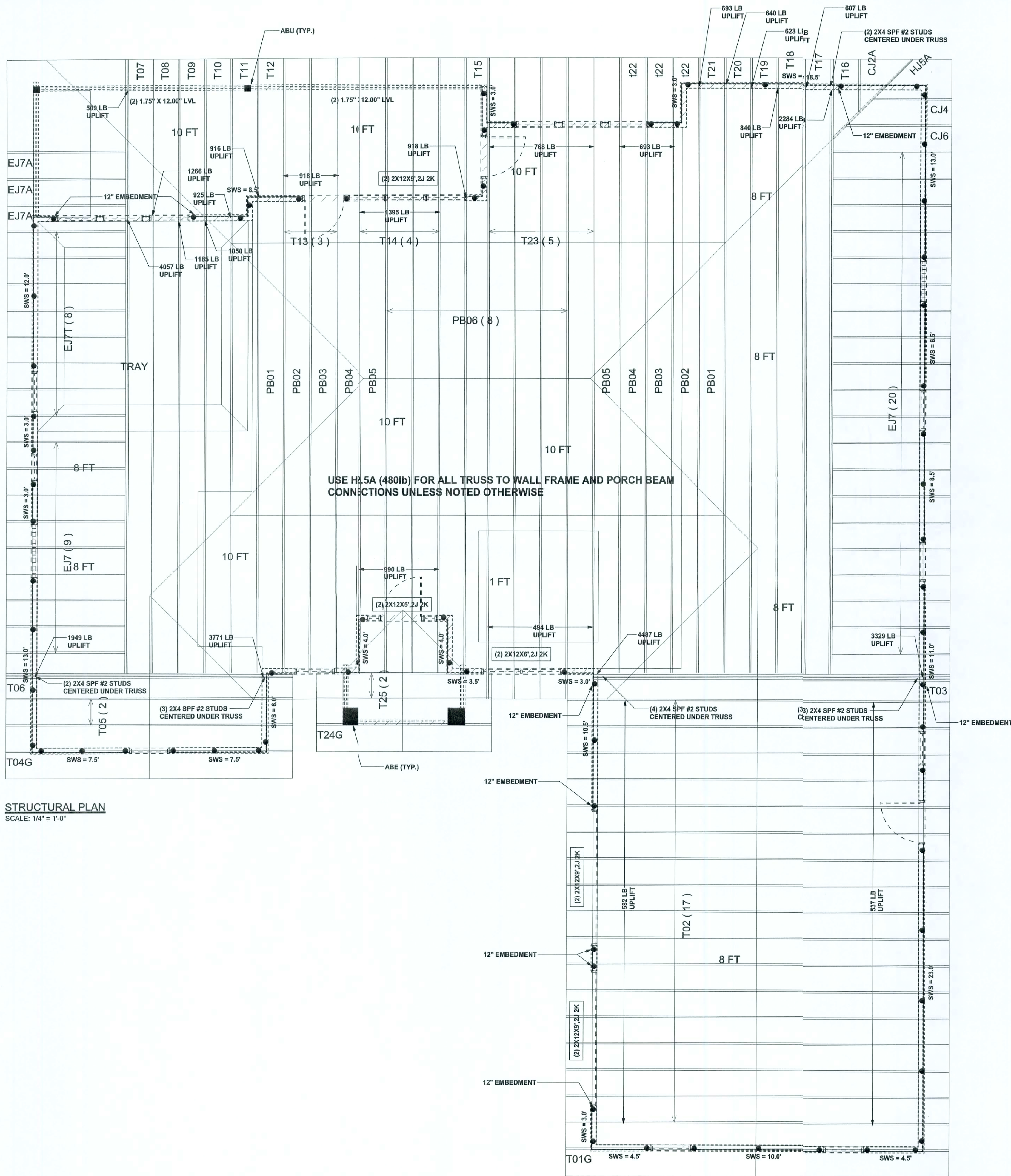
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David Disoway

FINALS DATE:  
16 / Aug / 06

JOB NUMBER:  
608152

DRAWINGNUMBER  
S-2

OF 3 SHEETS



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

### STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 SYP#2 (U.N.O.)
- SN-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (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-1-03, 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<br>SEE DETAILS ON SHEET S-1 |
| IBW        | 2ND FLOOR INTERIOR BEARING WALLS<br>SEE DETAILS ON SHEET S-1 |

### 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) 2X12X0', 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 PLIES IN HEADER

### TOTAL SHEAR WALL SEGMENTS

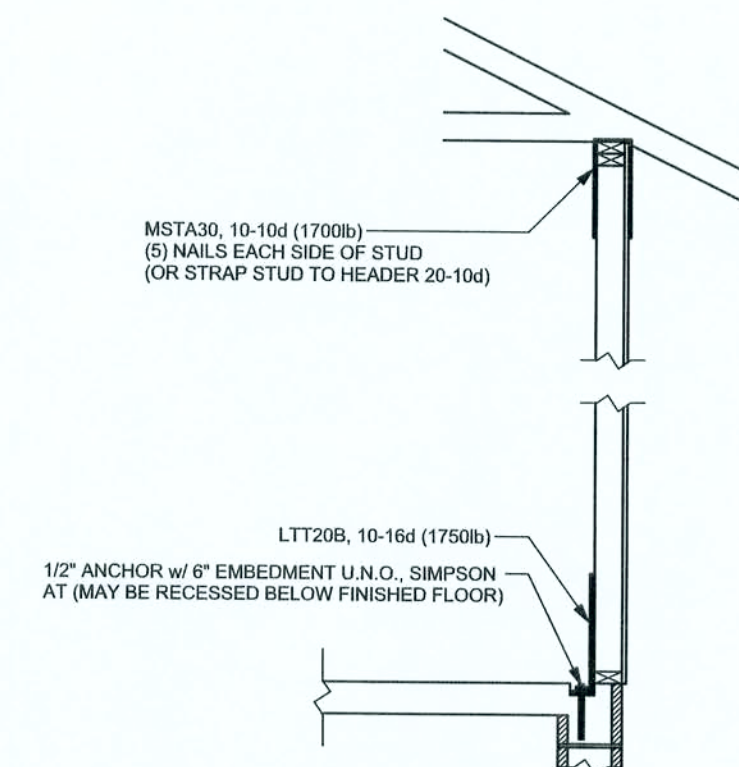
SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

|              | REQUIRED | ACTUAL |
|--------------|----------|--------|
| TRANSVERSE   | 38.5'    | 126.5' |
| LONGITUDINAL | 32.1'    | 60.5'  |

### REVISIONS

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SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE



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

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32056, 386-754-5411

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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 1301.2-1, Florida building  
code residential 2001, to the best of my  
knowledge.

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

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PRINTED DATE:  
August 16, 2006

DRAWN BY: STRUCTURAL BY:  
David Discosway

FINALS DATE:  
16 / Aug / 06

JOB NUMBER:  
608152

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 #L206596