

51'-6" 12'-0" 11'-4" 13'-0" 6'-2" 6'-0" x 5'-0" EGRESS **EGRESS** 8' WALL NOOK SLOPED CEILING **CEILING LINE** 13'-0" BEDROOM #2 - 12" WIDE BAR TO LIVING AREA 10'-0" CEILING PREFINISHED ALUMINUM DRIP MAASTER BEDROOM DOUBLE SINK-8 8' CEILING + 12" TRAY -RANGE **ROD & SHELF** 10'-0" CEILING 22" x 22" ATTIC ACCESSI DISHWASHER--REFRIGERATOR 14'-0" TILE SHOWER NO CURB ROD & SHELF CONCRETE 3'-0" 4" DOWN -BRICK VENEER W/ GALV. BRICK TIES, SPACED AS PER CODE A/C COND. BEDROOM #3 10'-8" 12'-0" 4" STEP-DN EGRESS 3'-0" x 5'-0" 6'-0" x 5'-0" **ENTRY GARAGE** 4" STEP-DN Garage fire 'e separations shall comply with the following:

1. The privavate garage shall be separated from the dwelling unit and its attic area by means of a minimum ½½½—Inch (12.7 mm) gypsum board applied to shall be sepaparated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. \(\frac{1}{2}\). Door openings between a private garage and the dwelling unit shall be equipped with either solid wood \(\frac{1}{2}\) doors, or solid or honeycomb core steel doors not less than 13/8 inches (34.9 mm) thick, or doors in corompliance with Section 715.3.3. Openings from a private garage directly into a room used for sleeping puburposes shall not be permitted.

2. Ducts in 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 separaration 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. 3'-0" x 5'-0" 10'-8" 5'-4" 2'-4" 2'-4" 6'-2" 4'-8" 12'-4" FLOOR PLAN
SCALE: 1/4" = 1'-0"

TYPICAL DESIGN WALL SECTION NON - STRUCTURAL DATA

-R30 INSULATION

24" MAX

1/2" GWB -

NOTE: SEAL ALL -

PENETRATIONS

SEALANT

1/2" GWB ---

WOOD BASE -

IN TOP PLATE AND FIRE STOP BLOCKING WITH CODE APPROVED -ARCHITECTURASHINGLES

PRE-ENGINEER) WOOD ROOF TRUSSES AT 24" O.C. SELLT TRUSS CONNECTORS FROM THE ANCOR TABLE PER TRUSS UPLT LOADS

SEEXT. ELEVATIONS

- PREFINISHED VENTED

ALUM SOFFIT SYSTEM

(2) 2X4/6 DOUBLE TOP PLATE

-2X4/6 PRECUT STUDS AT 16" O.C.

-R13 BATT INSULATION

OVER WALL SHEATHING

O.S.B. WALL SHEATHING

-4" CONCRETE FLOOR SLAB

-2X4/6 P.T. PINE SOLE PLATE

- CONCRETE BLOCK STEMWALL SEE ENGINEERING FOR SIZE AND REINFORCEMENT

APPROX. FINISH GRADE

POURED CONCRETE
STRIP FOOTING

SEE ENGINEERING FOR SIZE AND

REINFORCEMENT

- ALUMINUM FASCIA

ON PT 2x 6 SUB-FASCIA

OSB ROOF SHEIHING

AREA SUMMARY

1674 S.F. LIVING AREA **GARAGE AREA** 513 S.F. PORCH AREA 32 S.F.

TOTAL AREA 2219 S.F. JOB NUMBER:

A-2 OF 6SHEETS

7(2279

DRAWING NUMBER

SOFTRAN ARCHITECTURAL ESIGN SOFTWARE

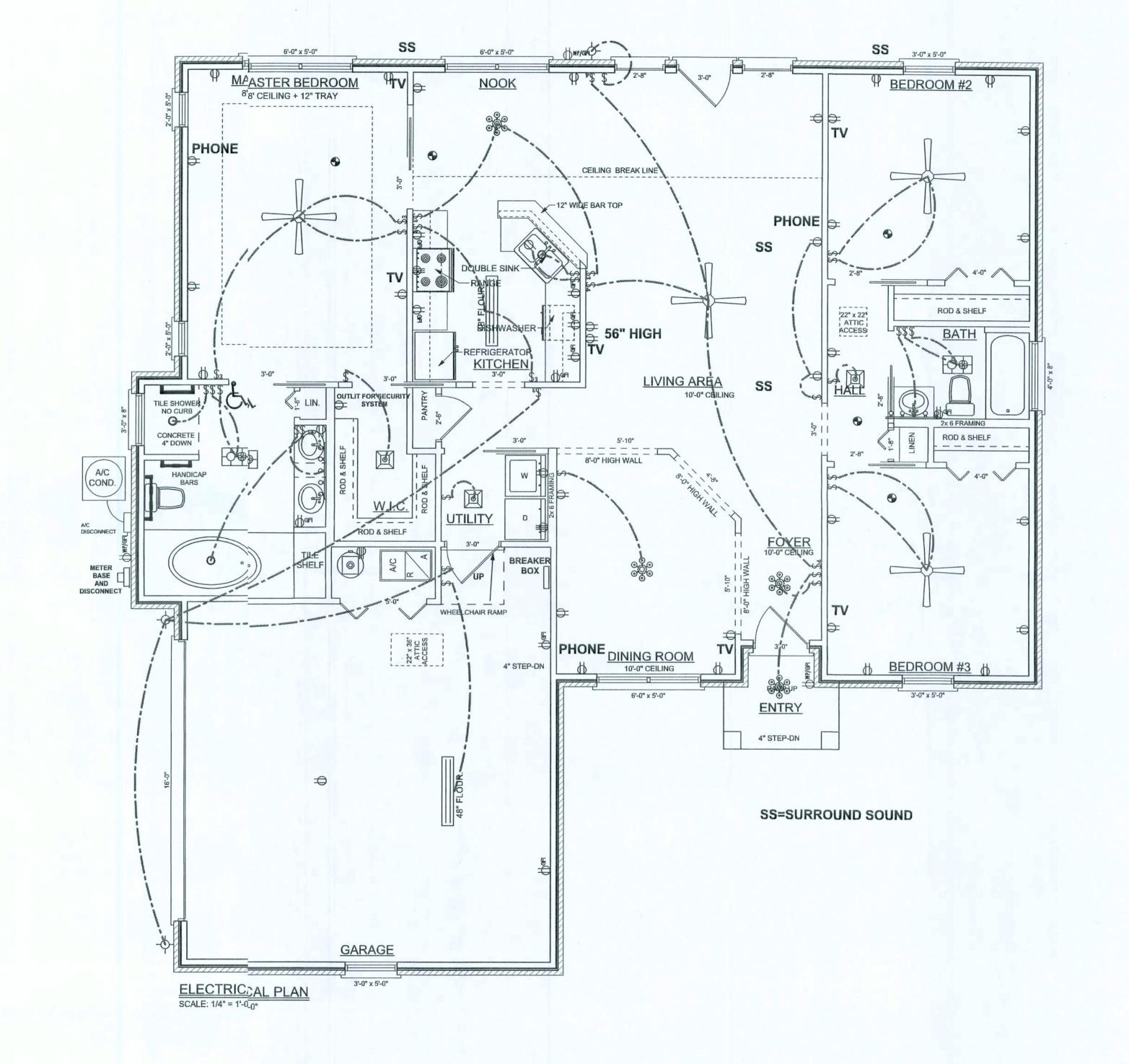
REVISIONS

ELECTRICAL PLAN NOTES

- E -1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- E -2 CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
- E -3 ALL INSTALLATIONS SHALL BE PER NAT'L. ELECTRIC CODE.
- E -4

 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
 DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE
 SECTIONS OF NEC-LATEST EDITION.
- E -6 ELECTRICAL CONT'R SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- E -7 ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD)
 TO BE DETERMINED BY POWER COMPANY.
- E -8 ALL BEDROOM RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT)
- E -9 ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION
- A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC
- E -10
 CONDUCTORS ENTER THE BUILDING.
 SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL APPROVAL OF THE BUILDING OFFICIAL

| | ELECTRICAL LEGEND |
|---------------------|---|
| | CEILING FAN (PRE-WIRE FOR LIGHT KIT) |
| QP | DOUBLE SECURITY LIGHT |
| | 2X4 FLUORESCENT LIGHT FIXTURE |
| 0 | RECESSED CAN LIGHT |
| - ♦ | BATH EXAUST FAN WITH LIGHT |
| ₩ | BATH EXAUST FAN |
| | LIGHT FIXTURE |
| Ф | DUPLEX OUTLET |
| Ф | 220v OUTLET |
| Фан | GFI DUPLEX OUTLET |
| • | SMOKE DETECTOR |
| \$ | WALL SWITCH |
| \$3 | 3 WAY WALL SWITCH |
| \$4 | 4 WAY WALL SWITCH |
| ∯ _{WP/GFI} | WATER PROOF GFI OUTLET |
| ∇ | PHONE JACK |
| 0 | TELEVISION JACK |
| 9 | GARAGE DOOR OPENER |
| | WALL HEATER |



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

Stated dimensions supecede scaled dimensions. Refer all questions to Mark Disosway, P.E. forresolution. Do not proceed without larification.

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CERTIFICATION: I herey certify that I have examined this plan, and hat the applicable portions of the plan, relaing to wind engineerin comply with section R3(1.2.1, florida building code residential 2004, to the best of my

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

MARK DISOSWAY

MARK DIGOSWAY
P.E. 3915

ERKINGER HOME BUILDERS, INC

JAN & IEANNE WHITLOW

ADDIESS: 402 SW Stward Loop Lake Cit, Florida Columbii County

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

PRINTE) DATE:
March 26 2007

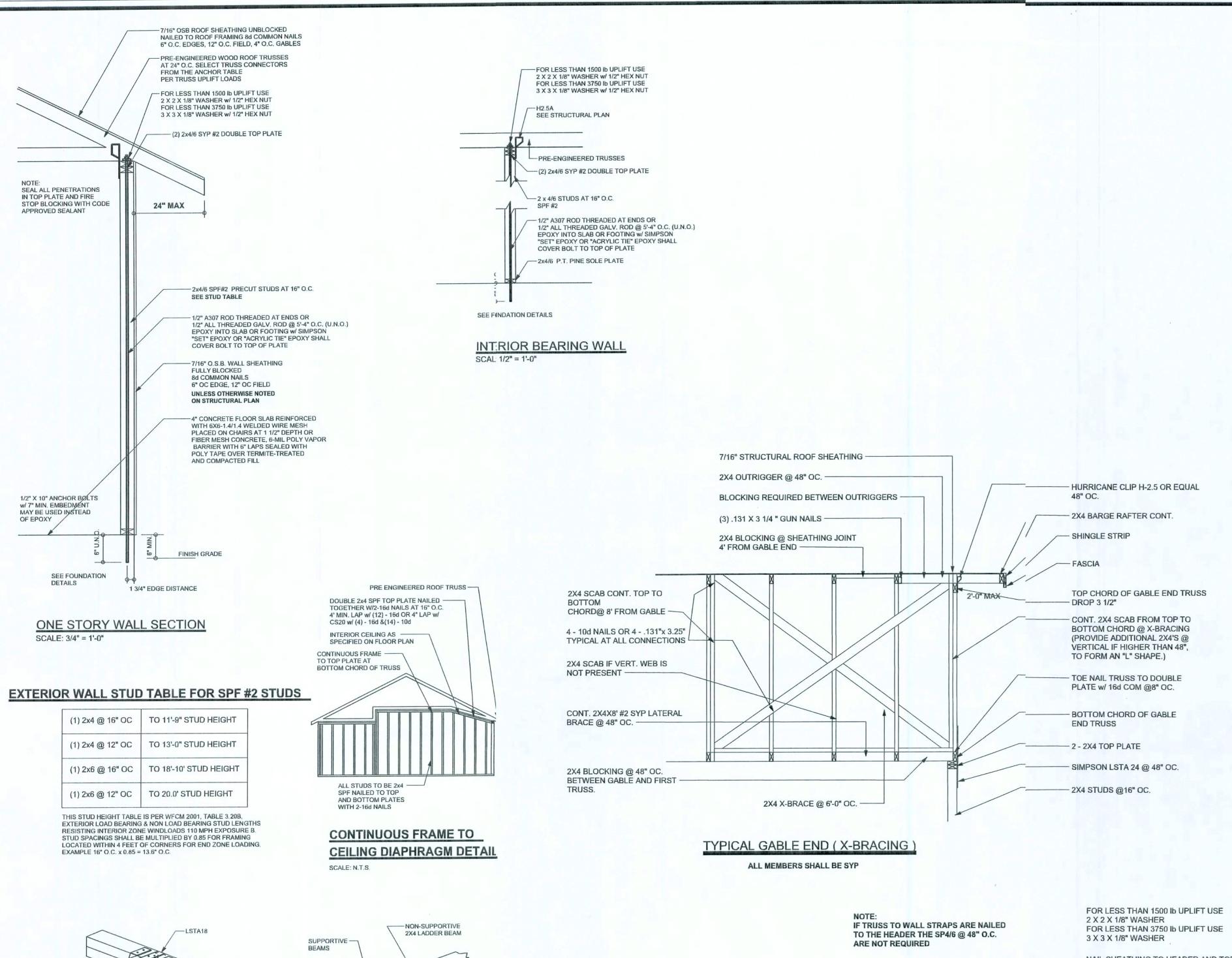
DRAWN BY: STRUCTURAL BY

Evan Beamsley David Disosway

FINALS DATE: 26 / Mar / 07

JOB NLMBER: 702279 DRAWINGNUMBER

> A-3 OF 6 SHEETS



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

(2) 2X12 SYP #2 MIN. -

SEE STRUCTURAL PLAN

SIMPSON HUS412 MIN. SEE STRUCTURAL PLAN

SCALE: N.T.S.

LSTA24

NAIL THRU 2x4 INT

BEAM MAY BE ATTACHED IN

BEAM CORNER CONNECTION. DETAIL

BEAM W/4-16d

SEE STRUCTURAL PLAN

SCALE: N.T.S.

TOGETHER W/2-16d

MIN. (SEE STRUCTURAL PLAN)

--(2) 2X12 SYP #2 MIN. ----SEE STRUCTURAL PLAN

NAILS AT 16" O.C.

BEAM MID-WALL CONNECTION DETAIL

3 SIMPSON LSTA18'S (1-ONE SIDE, 2-ON -

OPPOSITE SIDE) EA. NAILED WITH 14-10d

SCALE: N.T.S.

4-SIMPSON LSTA18 -

(2-ONE SIDE, 2-ON

OTHER SIDE)

SCALE: N.T.S.

IF BEAM JOINT IS AT -POST CONNECTION,

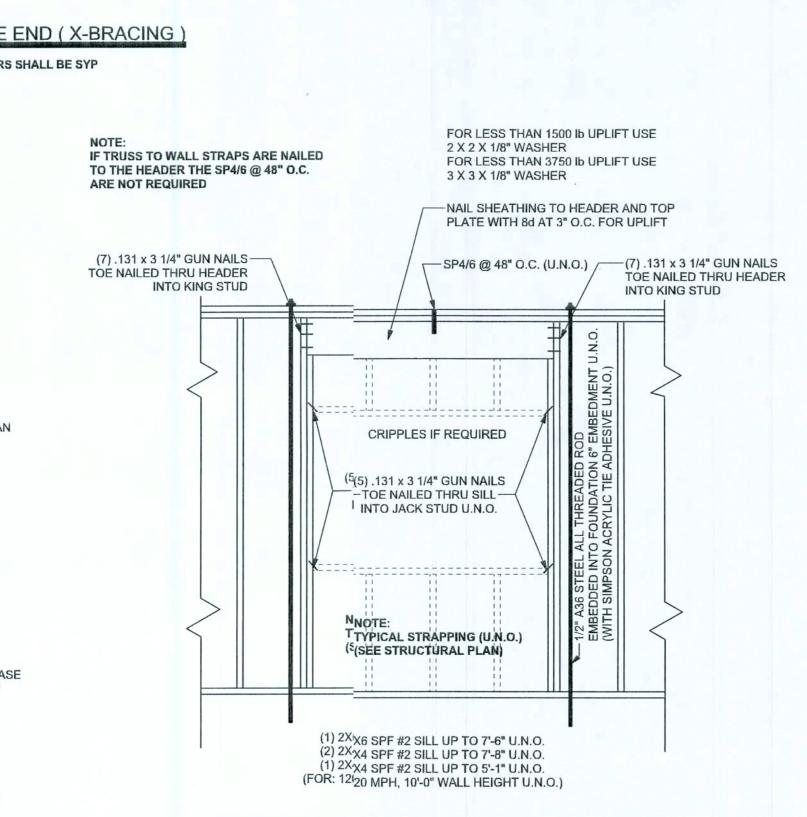
INSTALL ONE SIMPSON LSTA18 ON ONE SIDE

SUPPORTIVE POST TO BEAM

SUPPORTIVE CENTER POST TO BEAM DITAIL

DETAIL FOR SINGLE BEAM

SUPPORTIVE BEAM -



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

ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

| O. E EDO. O. | UPLIFT LBS. SPF | TRUSS CONNECTOR* | TRUSS CONNECTOR* TO PLATES TO | | TO STUDS | |
|--------------|-----------------|------------------------|-------------------------------|---------------|--------------------------------------|--|
| < 420 | < 245 | H5A | 3-8d | 3-8d | | |
| < 455 | < 265 | H5 | 4-8d | 4-8d | | |
| < 360 | < 235 | H4 | 4-8d | 4-8d | | |
| < 455 | < 320 | H3 | 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 ROI 12" EMBEDMENT | |
| < 10980 | < 6485 | HGT-2 | | 16 -10d | 2-5/8" THREADED ROI 12" EMBEDMENT | |
| < 10530 | < 9035 | HGT-3 | | 16 -10d | 2-5/8" THREADED ROI 12" EMBEDMENT | |
| < 9250 | < 9250 | HGT-4 | | 16 -10d | 2-5/8" THREADED ROI 12" EMBEDMENT | |
| | | STUD STRAP CONNECTOR* | | | TO STUDS | |
| < 435 | < 435 | SSP DOUBLE TOP PLATE | 3 -10d | | 4 -10d | |
| < 455 | < 420 | SSP SINGLE SILL PLATE | E 1-10d | | 4 -10d | |
| < 825 | < 825 | DSP DOUBLE TOP PLATE | 6 -10d | | 8 -10d | |
| < 825 | < 600 | DSP SINGLE SILL PLATE | 2 -10d | 2 -10d | | |
| < 885 | < 760 | SP4 | | | 6-10d, 1 1/2" | |
| < 1240 | < 1065 | SPH4 | | | 10-10d, 1 1/2" | |
| < 885 | < 760 | SP6 | | | 6-10d, 1 1/2" | |
| < 1240 | < 1065 | SPH6 | | | 10-10d, 1 1/2" | |
| < 1235 | < 1165 | LSTA18 | 14-10d | | | |
| < 1235 | < 1235 | LSTA21 | 16-10d | | | |
| < 1030 | < 1030 | CS20 | 18-8d | | | |
| < 1705 | < 1705 | CS16 | 28-8d | | | |
| | | STUD ANCHORS* | TO STUDS | | TO FOUNDATION | |
| < 1350 | < 1305 | LTT19 | 8-16d | | 1/2" AB | |
| < 2310 | < 2310 | LTTI31 | 18-10d, 1 1/2" | | 1/2" AB | |
| < 2775 | < 2570 | HD2A | 2-5/8" BOLTS | | 5/8" AB | |
| < 4175 | < 3695 | HTT16 | 18 - 16d | | 5/8" AB | |
| < 1400 | < 1400 | PAHD42 | 16-16d | | | |
| < 3335 | < 3335 | HPAHD22 | 16-16d | 44) | 1 | |
| < 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

SYP #2

SYP #2

SYP #2

24F-V3 SP

MICROLAM

PARALAM

2x6 SYP #2 GARAGE DOOR BUCK ATTACHMENT

DOOR WIDTH | 3/8" x 4" LAG | STAGGER | .131 x 3 1/4" GN

24" O.C. 5" O.C.

18" O.C. 4" O.C.

16" O.C. 3" O.C.

GARAGE DOOR BUCK INSTALLATION DETAIL

ATTACH GARAGE DOOR BUCK TO STUD PACK AT

TRANSFER LOAD. CENTER LAG SCREWS OR STAGGER 16d NAILS OR (2) ROWS OF .131 x 3 1/4"

EACH SIDE OF DOOR OPENING WITH 3/8"x4" LAG

SCREWS w/ 1" WASHER LAG SCREWS MAY BE

COUNTERSUNK. HORIZONTAL JAMBS DO NOT

GN PER TABLE BELOW:

2x6SYP #2 DOOR BUCK -

BRACKET. -

TIMBERSTRAND

Fb (psi) E (10⁶ psi)

1.6

1.6

1.6

1.8

1.7

2.0

2.0

5" O.C.

4" O.C.

1200

1050

975

2400

1700

2900

2900

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" x 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" x 2" x 9/64"; WITH 5/8" BOLTS TO BE 3" x 3" x 9/64"; WITH 3/4" BOLTS TO BE 3" x 3" x 9/64"; WITH 7/8" BOLTS TO BE 3" x 3" x 5/16"; UNO.

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

BUILDER'S RESPONSIBILITY

| SPECIFICALLY NOT PAR | ER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH AR T OF THE WIND LOAD ENGINEER'S SCOPE OF WORK. |
|--|---|
| CONFIRM SITE CONDITIONS, I BACKFILL HEIGHT, WIND SPEI | OUNDATION BEARING CAPACITY, GRADE AND ED AND DEBRIS ZONE, AND FLOOD ZONE. |
| PROVIDE MATERIALS AND CO REQUIREMENTS FOR THE STA | NSTRUCTION TECHNIQUES, WHICH COMPLY WITH FBCR 2004 ATED WIND VELOCITY AND DESIGN PRESSURES. |
| | D PATH FROM TRUSSES TO FOUNDATION. IF YOU ONTINUOUS LOAD PATH CONNECTION, CALL IMEDIATELY. |
| DESIGN, PLACEMENT PLANS, | TURER'S SEALED ENGINEERING INCLUDES TRUSS TEMPORARY AND PERMANENT BRACING DETAILS, DNS, 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 RUSS 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 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

| MEAN RO | ED SIMPLE DIAPHRAGM BUILDINGS WIT DOF HEIGHT NOT EXCEEDING LEAST HO | RIZONTAL D | MEN | SION | OR 60 | FT: NOT |
|--------------------|--|--------------------------------|------------------|----------------|--------------|----------------------|
| ON UPPE SLOPE A | R HALF OF HILL OR ESCARPMENT 60FT ND UNOBSTRUCTED UPWIND FOR 50x I | ' IN EXP. B, 30 HEIGHT OR 1 | OFT IN | WHIC | . C AN | ND >10% ER IS LES |
| BUILDING | IS NOT IN THE HIGH VELOCITY HURRIO | CANE ZONE | | | | |
| BUILDING | S IS NOT IN THE WIND-BORNE DEBRIS R | EGION | | | | |
| 1.) BAS | IC WIND SPEED = 110 MPH | | | | | |
| 2.) WIN | D EXPOSURE = B | | | | | |
| 3.) WIN | D IMPORTANCE FACTOR = 1.0 | | | | | |
| 4.) BUIL | DING CATEGORY = II | | | | | |
| 5.) ROC | F ANGLE = 10-45 DEGREES | | | | | |
| 6.) MEA | N ROOF HEIGHT = <30 FT | | | | | |
| 7.) INTE | RNAL PRESSURE COEFFICIENT = N/A (| ENCLOSED B | UILDI | NG) | | |
| 8.) COM | PONENTS AND CLADDING DESIGN WIN | D PRESSURI | S (T | ABLE | R301. | 2(2)) |
| | | | P.G. | U VII/ | | 1510) |
| ZZ | A | Zone | Zone Effective W | | | i (π2) |
| | | 1 | | -21.8 | - | -18.1 |
| 4 | 2 2 | 2 | 19.9 | -25.5 | 18.1 | -21.8 |
| 5 | 1 7 7 7 7 | 2 O'hg | | -40.6 | | -40.6 |
| 2 | 2 2 2 5 | 3 | 19.9 | -25.5 | 18.1 | -21.8 |
| | 4 3 4 | 3 O'hg | 24.0 | -68.3 -23.6 | 40.5 | -42.4 |
| . 7 | 5 5 | 5 | | | 18.5 | -20.4 |
| 1 | W. T. C. | Doors | & Wind | lowe | 21.8 | -29.1 |
| /4 | 2 | Wor | st Cas | е | 21.0 | 23.1 |
| (X) | | (Zone | | | | |
| 5 | 2 3 | 8x7 Gar 16x7 Ga | | | 19.5 18.5 | -22.9 |
| - | 4 3 4 3 | 10.7 0.2 | i aye i | 1001 | 16.5 | -21.0 |
| | 5 5 | | | | | |
| | 2/2 | | | | | |
| | | | | | L | |
| DESIGN | | | | | | |
| FLOOR | 40 PSF (ALL OTHER DWELLING ROOMS | 5) | | | | |
| | 30 PSF (SLEEPING ROOMS) | | | | | |
| | 30 PSF (ATTICS WITH STORAGE) | | | | | |
| | 10 PSF (ATTICS WITHOUT STORAGE, <3 | 3:12) | | | | |
| ROOF | 20 PSF (FLAT OR <4:12) | | | | | |
| | 16 PSF (4:12 TO <12:12) | | | | | |
| | 12 PSF (12:12 AND GREATER) | | | | | |
| STAIRS 4 | 0 PSF (ONE & TWO FAMILY DWELLINGS | 5) | | | | |
| | ARING CAPACITY 1000PSF | | | | | |

NOT IN FLOOD ZONE (BUILDER TO VERIFY)

INDLOAD ENGINER: Mark Disosway PE No.53915, POB 88, Lake City, FL 32056, 386-754-5419

REVISIONS

SOFTPLAN

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ode residential 2004 to the best of my LIMITATION: This deign is valid for one

building, at specified scation. MARK)ISOSWAY P.E 53915

ERKINCER HOME BUILDERS, INC

JAN &LEANNE WHITLOW

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PRIN'ED DATE March :6, 2007 DRAWN BY: STRUCTURAL BY

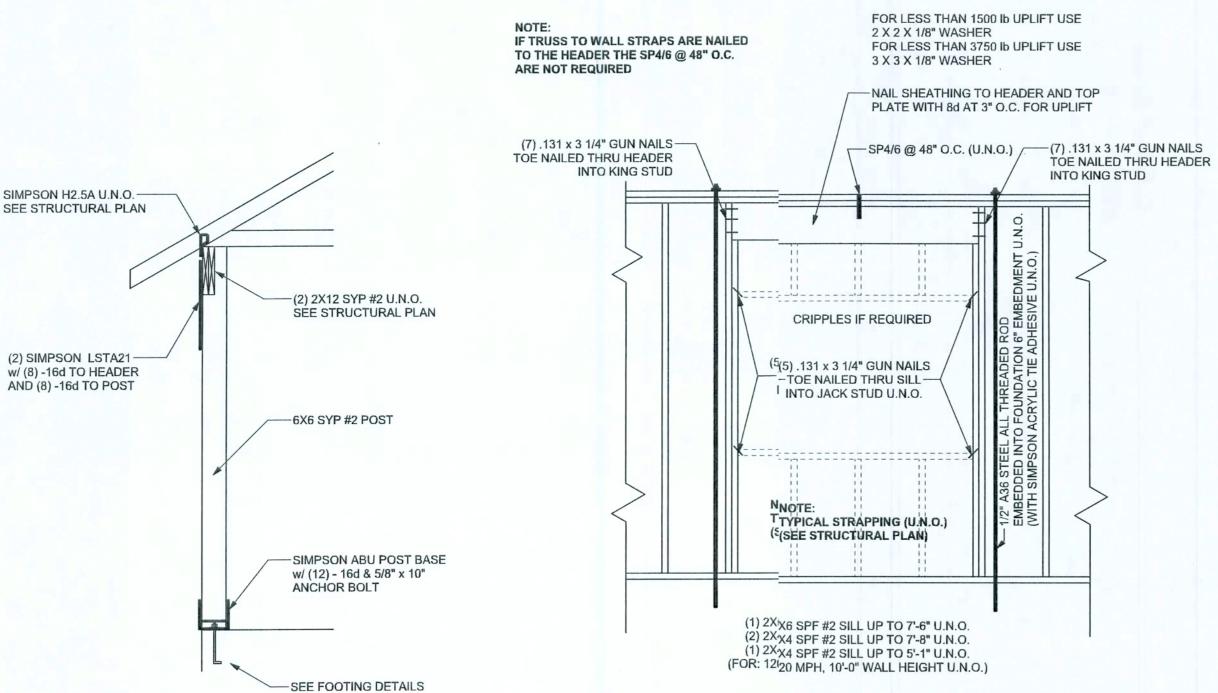
David Disosway

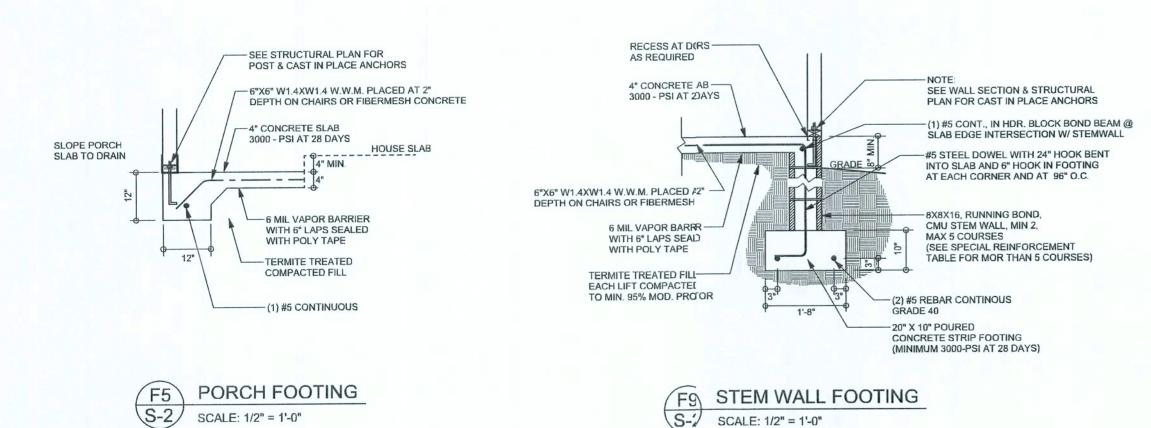
FINALS DATE: 26 / Mar / 07

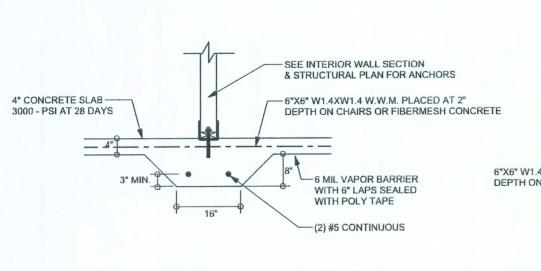
Evan Beamsley

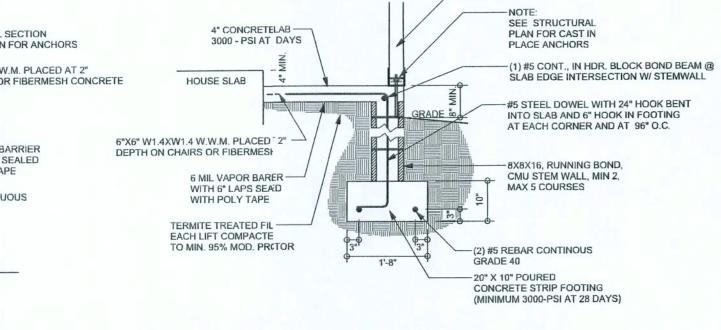
JOB NUMBER: 702279 DRAWING NUMBER

OF 6SHEETS

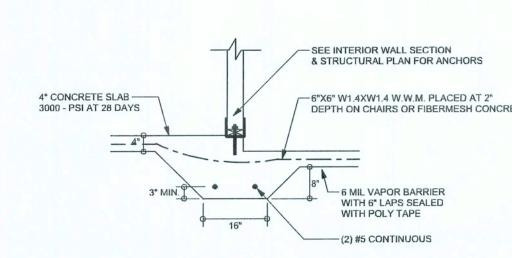






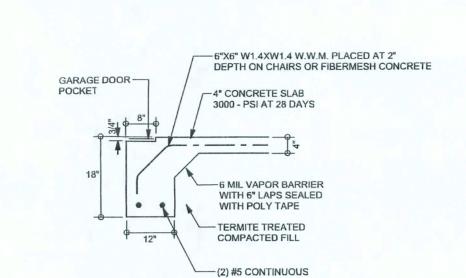


SCALE: 1/2" = 1'-0"



F2 INTERIOR BEARING FOOTING

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

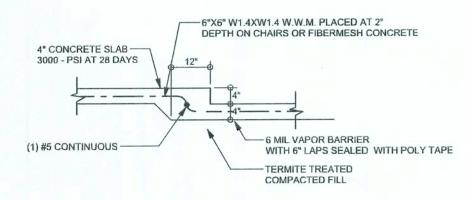


ALT. STEM WALL PORCH FOOTING

PORCH POST SEE STRUCTURAL PLAN



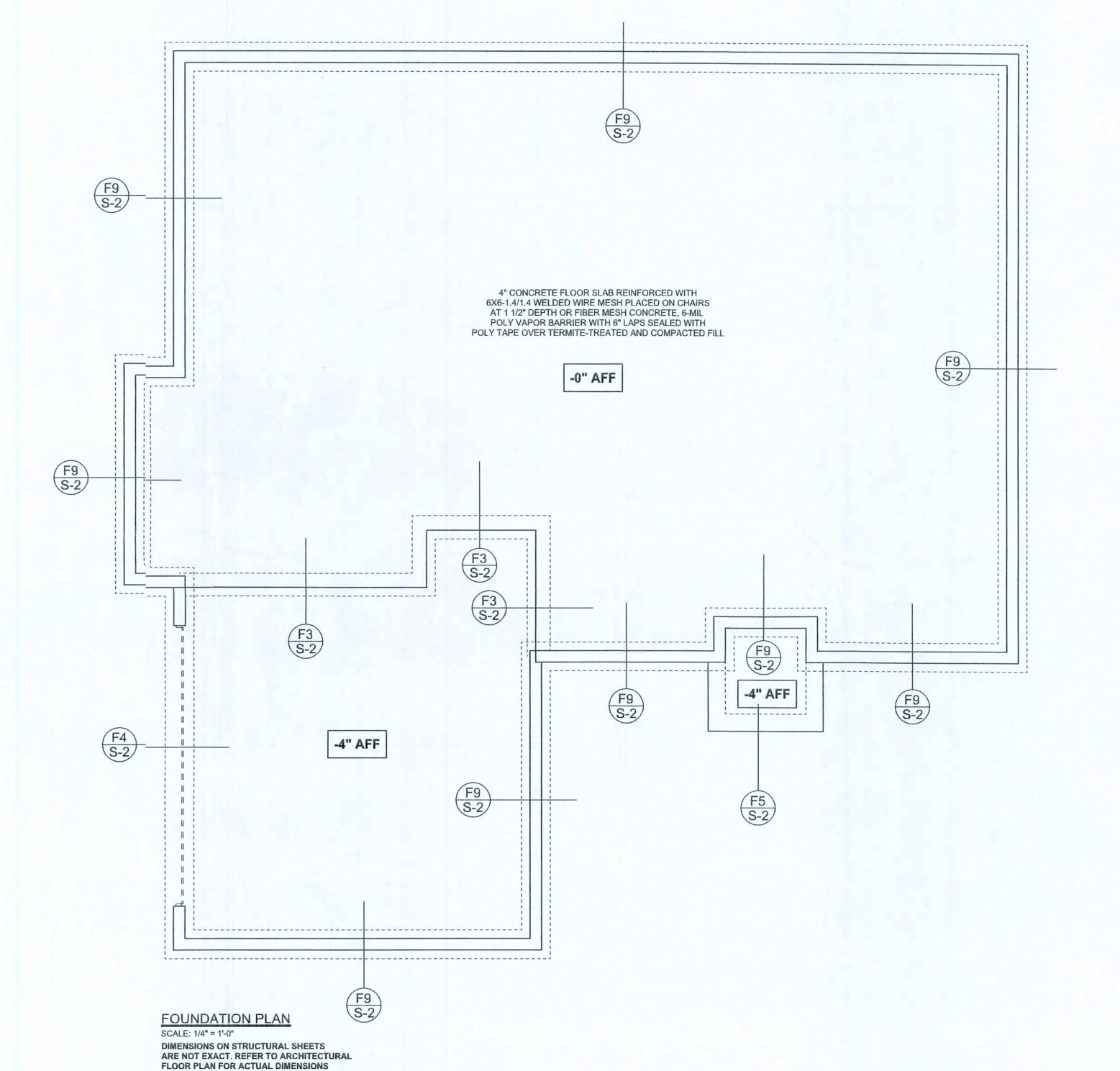
F4 ALT. STEM WALL GARAGE DOOR FOOTING
S-2 SCALE: 1/2" = 1'-0"



TALL STM WALL TABLE

The table assume 0 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at 3 top. The vertical steel is to be placed toward the tension side of the CMU wall (away fn the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, adurowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 1#5 conuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcemens shown in the table below.

| STEMWALL UNLANCED HEIGHT EKFILL (FEET) :IGHT | | VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.) | | | VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (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 |



REVISIONS

SOFTPIAN ARCHECTURAL DESIGN SOFTWARE

WINDLOAD EIGINEER: Mark Disosway, PE No.53915, POB 868, Lake City, FL 32056, 386-78-5419

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

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CERTIFICATION: I hereby certify that I have examined thisplan, and that the applicable portions of theplan, relating to wind engineerin comply with sction R301.2.1, florida building code residentil 2004, to the best of my knowledge.

LIMITATION: his design is valid for one building, at spicified location.

ERKINGER HOME BULDERS, INC

MARK DISOSWAY

P.E. 53915

JAN & LEANNE
WHITLOW

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Mart Disosway P.E.
P.O. Box 868
Lake City, Florida 32056

Iake City, Florida

Phone (386) 754 - 5419 Fax: (386) 269 - 4871 PRINTED DATE: March 26, 2007

DRAWN BY: STRUCTURAL BY

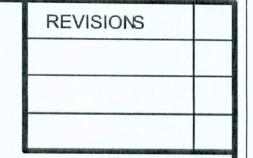
Evan Beansley David Disosway

FINALS DITE: 26 / Mar 07

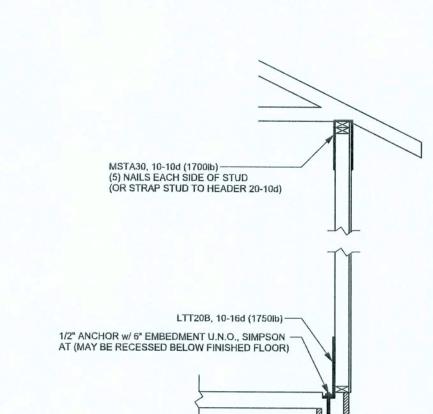
> JOB NUMBER: 702279 DFAWING NUMBER

> > S-2 OF 6 SHEETS

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







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

WINDLOAD ENGINEER Mark Disosway, PE No.53915, POB 868, ake City, FL 32056, 386-754-5419 DIMENSIONS: Stated dimensions dimensions. Refer all quetions to Mark Disosway, P.E. for esolution. Do not proceed without carification. COPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. herby expressly reserv its common law copyrighs and property right in these instruments of sence. This document is not to be reproduced, altred or copied in any form or manner without fist the express written permission and consent f Mark Disosway. CERTIFICATION: I herely certify that I have examined this plan, and hat the applicable portions of the plan, relating to wind engineer comply with section R30.2.1, florida building code residential 2004, tohe best of my LIMITATION: This designs valid for one building, at specified location. MARK DISSWAY P.E. 5915

ERKINGER HOME BUILDERS, INC

JAN & LEANNE WHITLOW

> ADDIESS: 402 SW Steward Loop Lake City Florida Columbi: County

Mark Diso way P.E. P.O. Bex 868 Lake City, Fbrida 32056 Phone: (386 754 - 5419 Fax: (386) 269 - 4871

PRINTEI DATE:
March 26,2007

DRAWN BY: STRUCTURAL BY
Evan Beamsley David Disosway

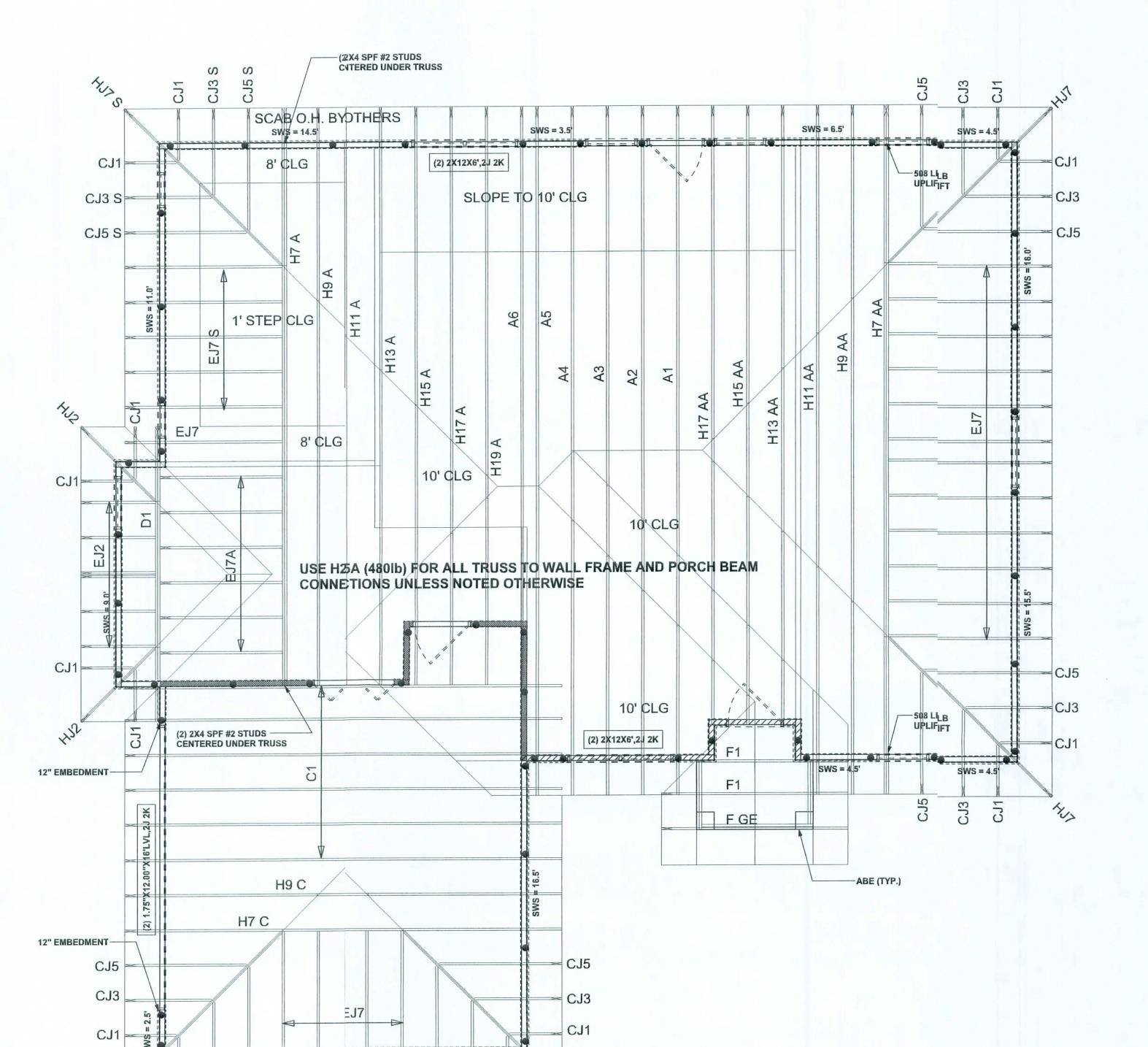
FINALS DATE: 26 / Mar / 07

> JOB NUMBER: 702279 DRAWINGNUMBER

> > **S**-3

OF 6 SHEETS

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. ANDERSON TRUSS JOB #7-085



SWS = 9.0'

CJ5

2

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

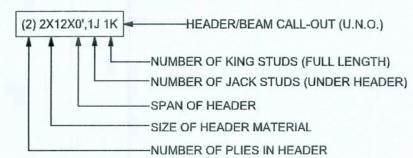
PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS.

LATERAL BRACING IS TO BE RESTRAINED PER 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

THREADED ROD LEGEND



HEADER LEGEND



TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

REQUIRED ACTUAL
TRANSVERSE 31.5' 70.5'
LONGITUDINAL 28.2' 56.0'

WALL LEGEND

| SWS = 0.0' | 1ST FLOOR EXTERIOR WALL |
|------------|--|
| SWS = 0.0' | 2ND FLOOR EXTERIOR |
| IBW | 1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1 |
| IBW | 2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1 |