

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



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

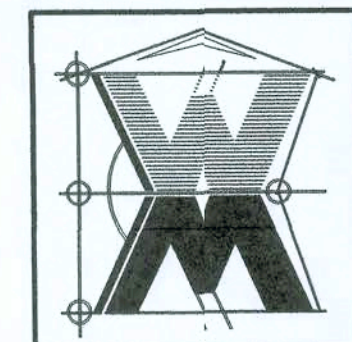
REVISIONS
August 18, 2008

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RESIDENCE FOR:
JOHN & JULIE TAYLOR
PROJECT ADDRESS: LOT 4, PINE MOUNT MEADOWS, COLUMBIA COUNTY, FL
SPARKS CONSTRUCTION, INC.
LAKE CITY, FLORIDA 32025

WILLIAMMYERS DESIGN
P.O. BOX 1513
LAKE CITY, FL 32058
(386) 753-3406
will@willmyers.net

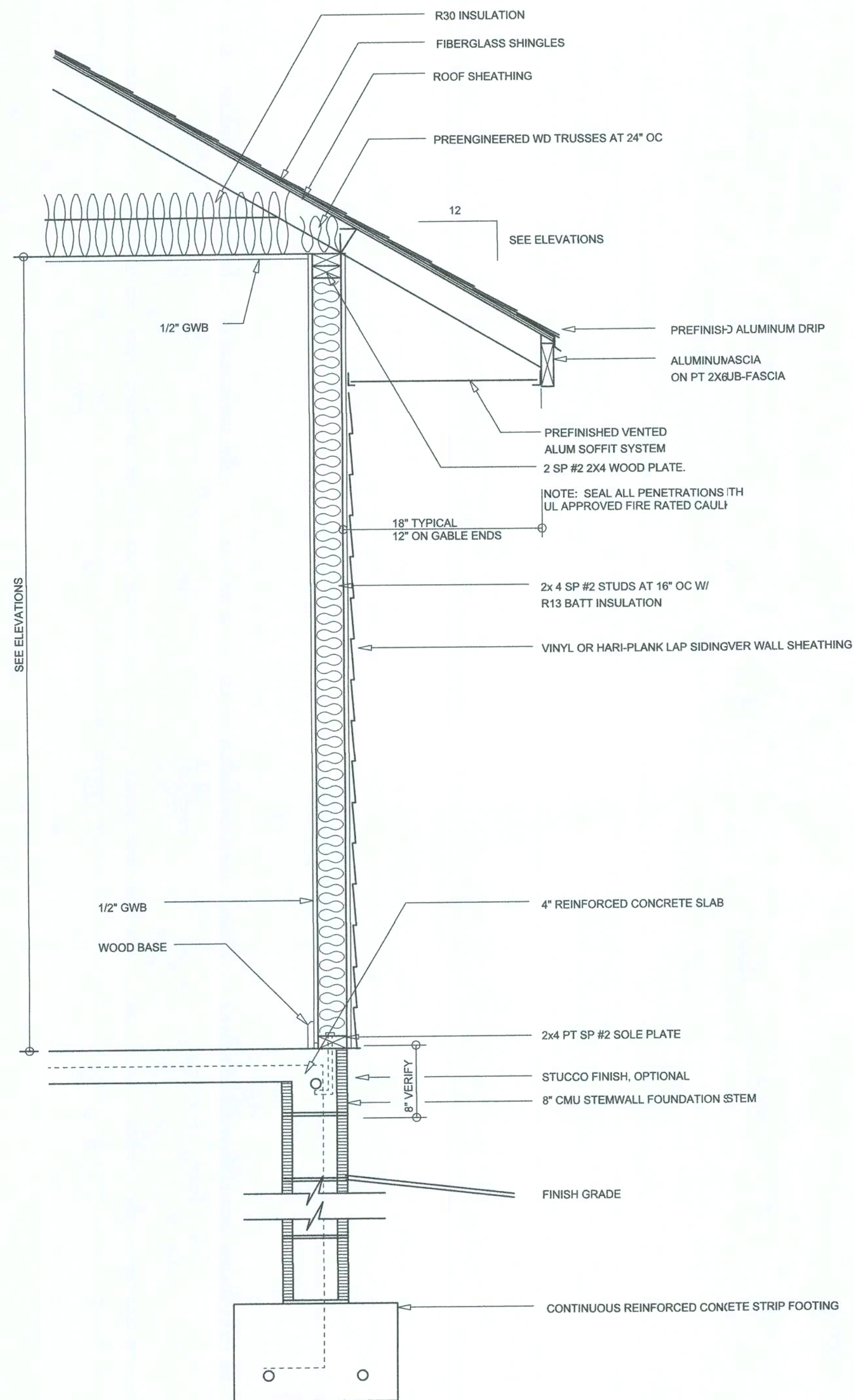


JOB NUMBER
080705

SHEET NUMBER
A.1
OF 4 SHEETS



W.C.M.



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



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



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

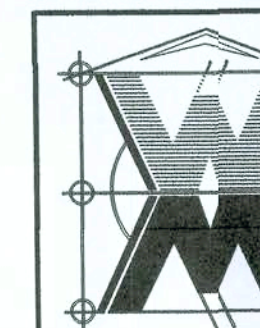
REVISIONS
August 18, 2008



RIGHT & LEFT ELEVATION
SCALE: 1/4" = 1'-0"
TYPICAL WALL SECTION
SCALE: 1" = 1'-0"

A CUSTOM RESIDENCE FOR:
JOHN & JULIE TAYLOR
PROJECT ADDRESS: LOT 4, PINE MOUNT MEADOWS, COLUMBIA COUNTY, FL
SPARKS CONSTRUCTION, INC.
LAKE CITY, FLORIDA 32025

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JOB NUMBER
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SHEET NUMBER
A.2
OF 4 SHEETS



William Myers

AREA SUMMARY

LIVING AREA	2912	S.F.
GARAGE AREA	458	S.F.
ENTRY PORCH AREA	153	S.F.
COVERED PORCH AREA	660	S.F.
TOTAL AREA	4183	S.F.

Garage fire separations shall comply with the following:

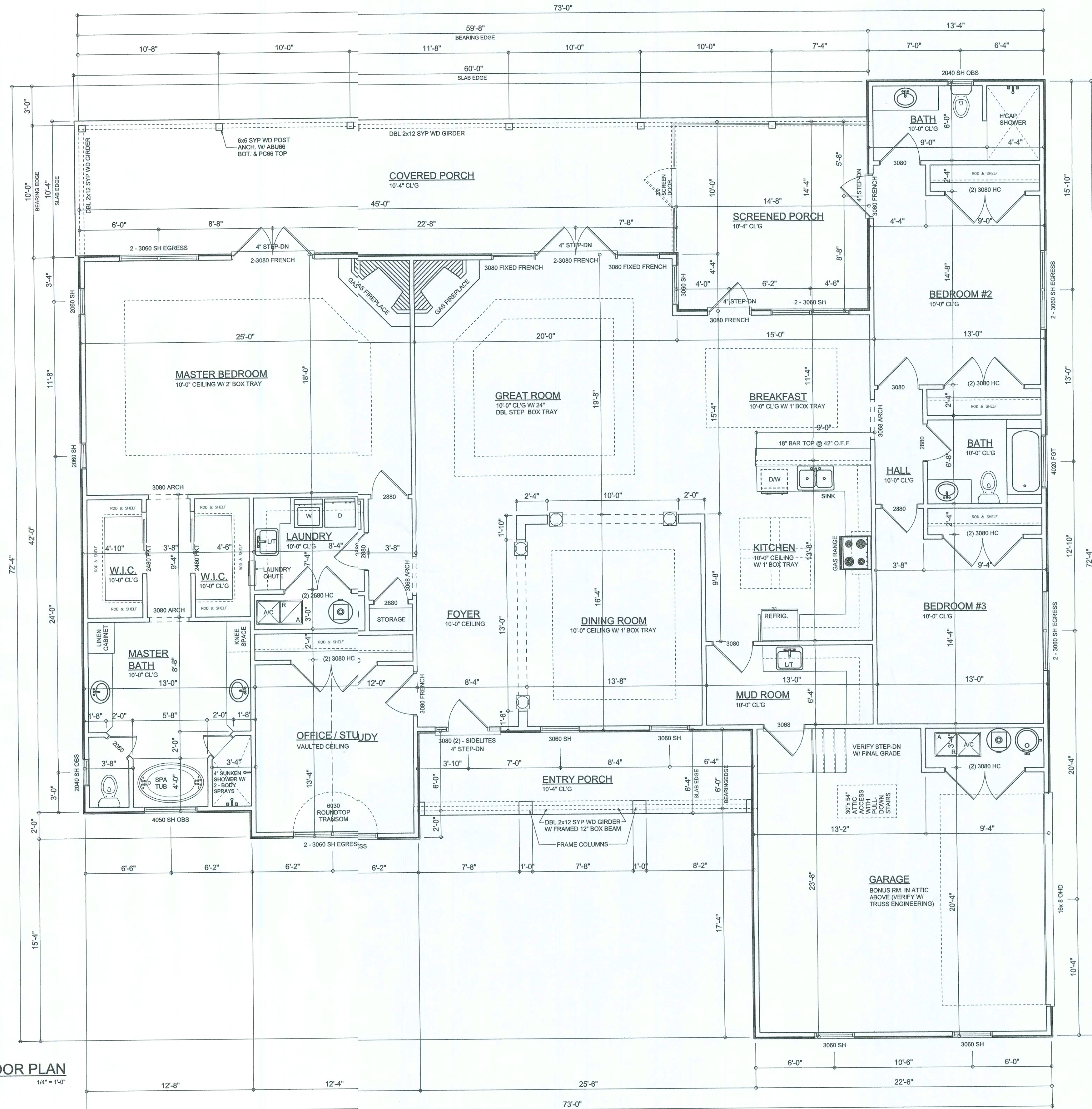
1. The private garage shall be separated from the dwelling unit and its attic area by means of a minimum 1/2-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. 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 1 3/8 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.

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



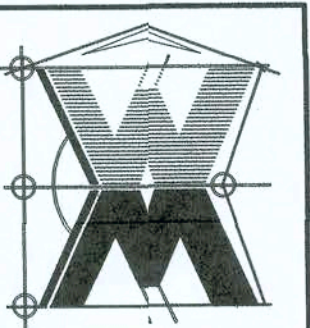
REVISIONS
August 18, 2008

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

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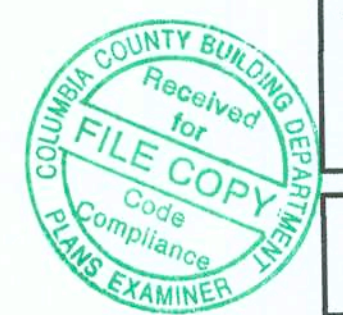
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www.williammyers.net



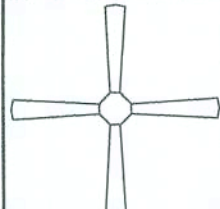













JOB NUMBER
080705

SHEET NUMBER

A3
OF 4 SHEETS



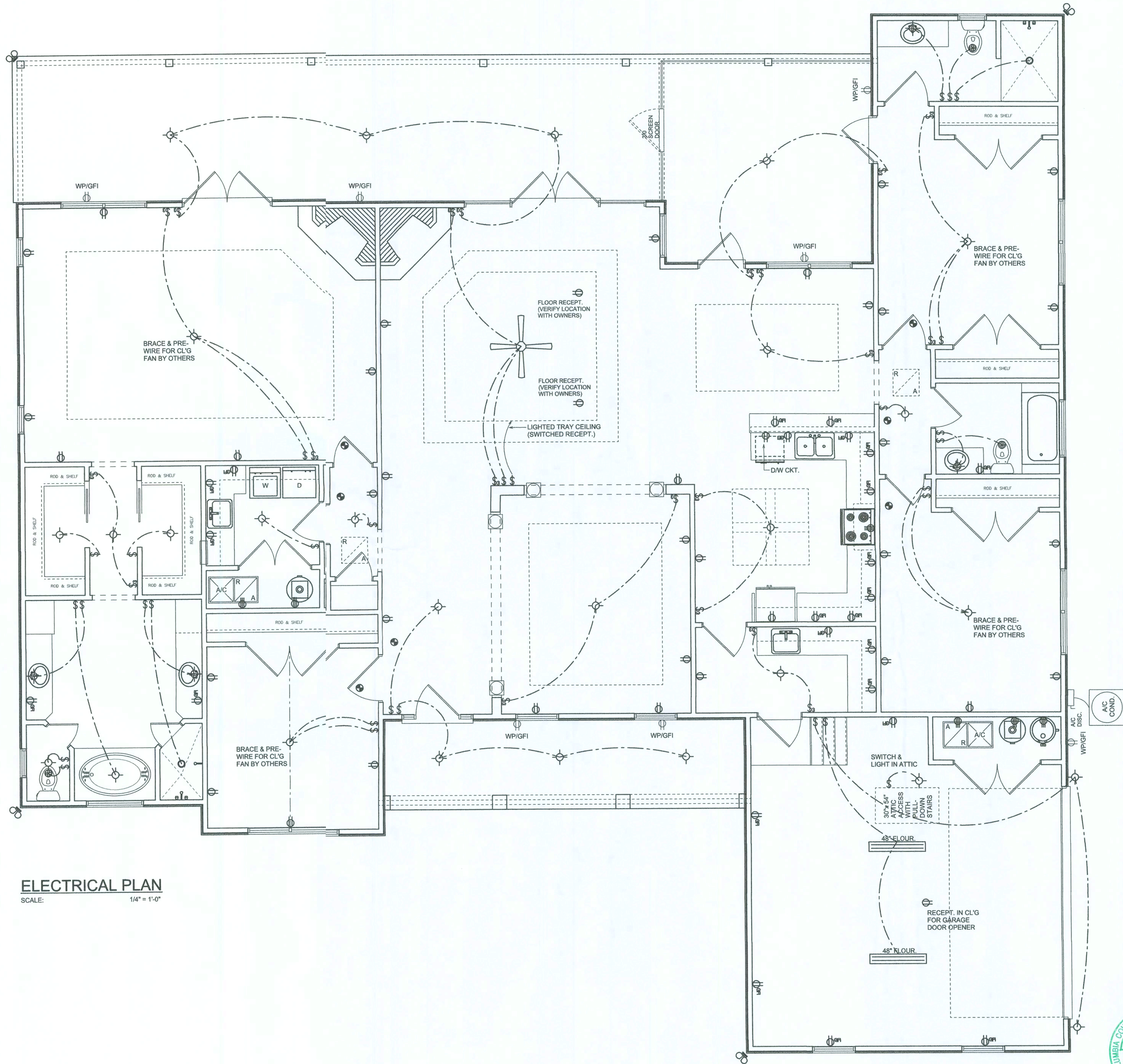
W.C. Myers

ELECTRICAL LEGEND	
	CEILING FAN (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
<div>48" FLOOR</div>	2 OR 4 TUB FLUORESCENT FIXTURE

NOTE:
ALL BEDROOM RECEPTACLES 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 PANEL OR SUB
PANEL SHALL HAVE FOUR-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR
SHALL BE USED AS AN EQUIPMENT GROUND.



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



Wm C Myers

REVISIONS

August 18, 2008

SOFTPLAN

ARCHITECTURAL DESIGN SOFTWARE

ELECTRICAL PLAN

1/4" = 1'-0"

SCALE:

A CUSTOM RESIDENCE FOR:

JOHN & JULIE TAYLOR

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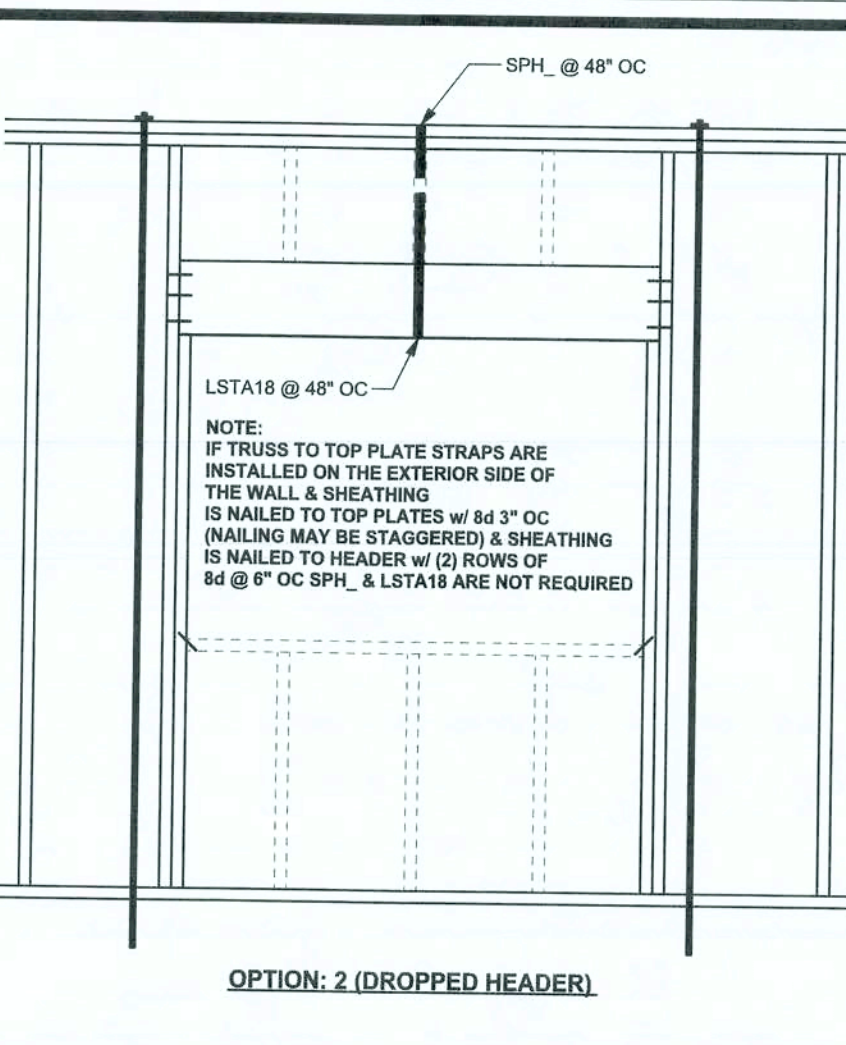
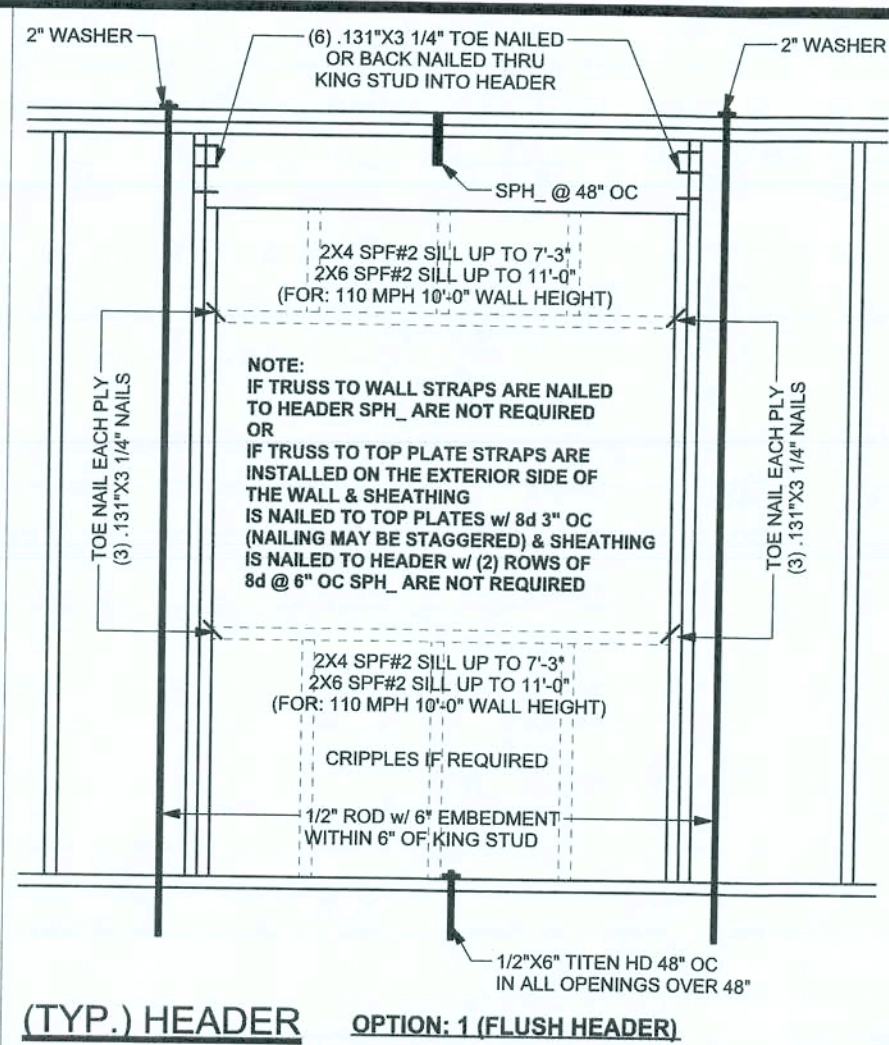
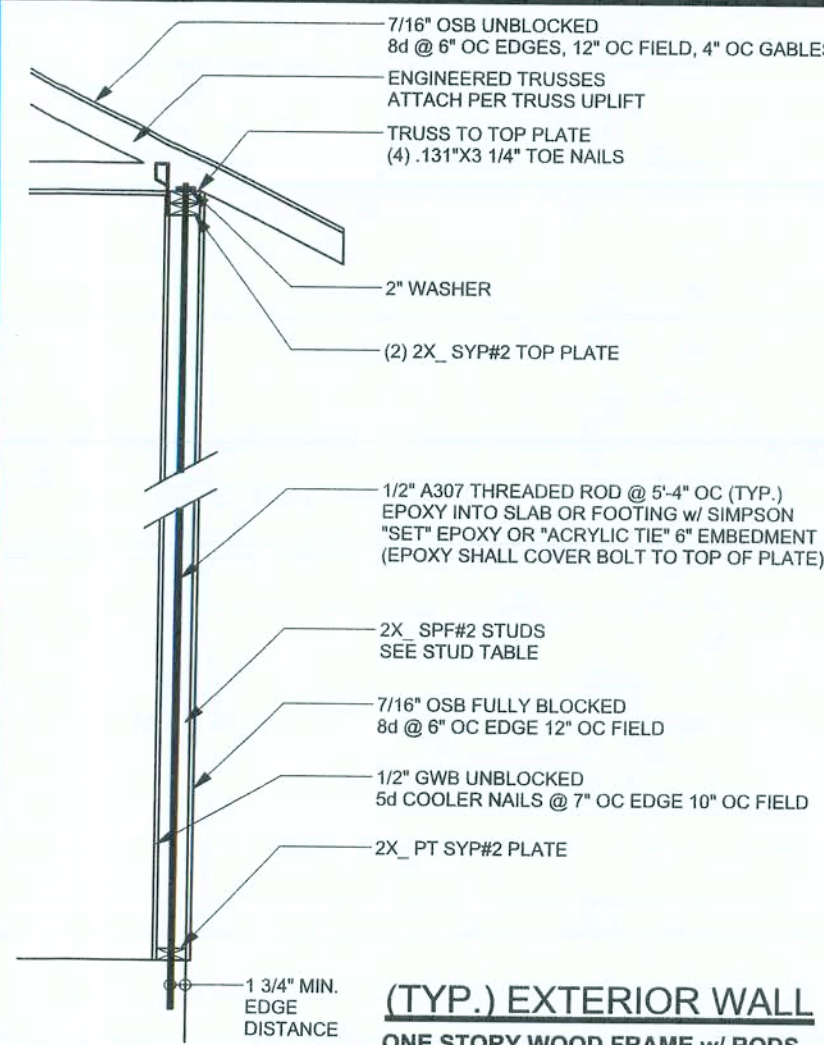
JOB NUMBER

080705

SHEET NUMBER

A.4

OF 4 SHEETS

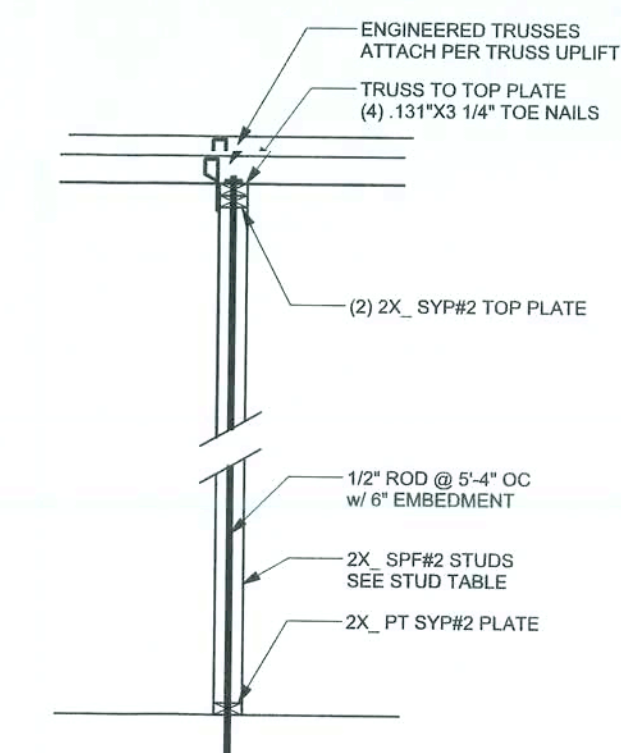


ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS
MANUFACTURER'S ENGINEERING

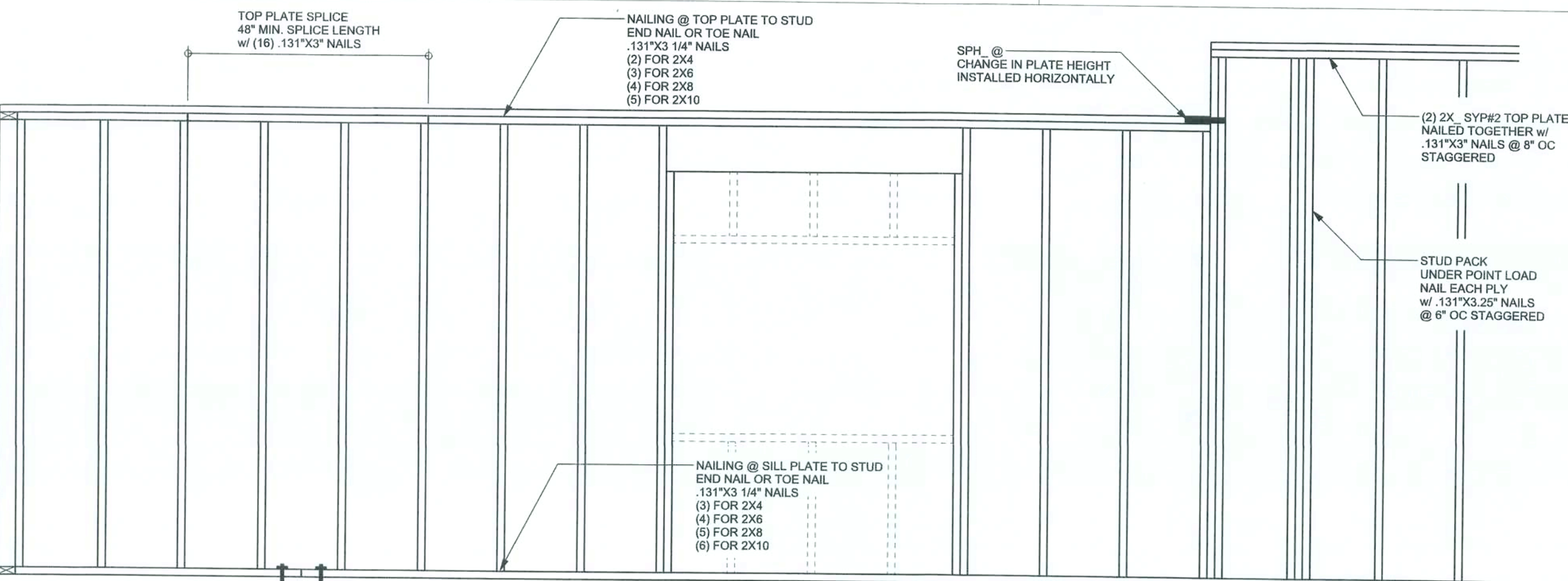
TRUSS CONNECTOR	UPLIFT SYP	UPLIFT SPF	F1 SYP	F2 SYP	F1 SPF	F2 SPF	TO RAFTER/TRUSS	TO PLATES
H5	455	265	115	200	100	170	4-8d x 1 1/2"	4-8d x 1 1/2"
H3	415	290	125	160	105	140	4-8d x 1 1/2"	4-8d x 1 1/2"
H2.5A	415	365	150	150	130	130	5-8d x 1 1/2"	5-8d x 1 1/2"
H2.5A	480	480	110	110	110	110	5-8d x 1 1/2"	5-8d x 1 1/2"
H6	950	820					8-8d	8-8d
H8	745	565					5-10d x 1 1/2"	5-10d x 1 1/2"
H14-1	1465	1050	515	265	480	245	12-8d x 1 1/2"	13-8d
H14-2	1465	1050	515	265	480	245	12-8d x 1 1/2"	15-8d
H10	990	850	585	525	505	450	8-8d x 1 1/2"	8-8d x 1 1/2"
H10-2	760	655	455	395	390	340	6-10d	6-10d
H16	1470	1265					2-10d x 1 1/2"	10-10d x 1 1/2"
H16-2	1470	1265					2-10d x 1 1/2"	10-10d x 1 1/2"
LTS12-LTS20	1000	620					6-10d x 1 1/2"	6-10d x 1 1/2"
MTS12-MTS30	1000	860					7-10d x 1 1/2"	7-10d x 1 1/2"
HTS16-HTS30	1450	1245					12-10d x 1 1/2"	12-10d x 1 1/2"
HEAVY GIRDER TIEDOWNS								
LG72	2050	1785	700	170	700	170	14-16d	14-16d
LG73-SDS2.5	3685	2655	795	410	795	410	12-SDS 1/4" x 2 1/2"	26-16dS
LG74-SDS3	4060	3860	2000	675	2000	675	12-SDS 1/4" x 3"	36-16dS
MG7	3965	3330					22-10d	5/8" ANCHOR
HGT-2	10980	6485					16-10d	2-5/8" ANCHOR
HGT-3	10530	9035					16-10d	2-5/8" ANCHOR
HGT-4	9250	9250					16-10d	2-5/8" ANCHOR
STUD STRAP CONNECTOR								
SSP DOUBLE TOP PLATE	435	435						3-10d
SSP SINGLE SILL PLATE	455	420						1-10d
DSP DOUBLE TOP PLATE	825	825						6-10d
DSP SINGLE SILL PLATE	825	600						2-10d
SP1	585	535						4-10d
SP2	1065	605						6-10d
SP4	885	760						6-10d x 1 1/2"
SPH4	1240	1065						10-10d x 1 1/2"
SP6	885	760						6-10d x 1 1/2"
SPH6	1240	1065						10-10d x 1 1/2"
LSTA18	1235	1110						14-10d
LSTA21	1235	1235						16-10d
CS20	1030	1030						14-10d
CS16	1705	1705						22-10d
STUD ANCHORS								
LTT19	1350	1305						1/2" ANCHOR
LTT131	2310	2310						18-10d x 1 1/2"
HD2A	2775	2570						2-5/8" BOLTS
HTT16	4175	3685						5/8" ANCHOR
HTT22	5260	5250						5/8" ANCHOR
ABU44	2200	2200						12-16d
ABU66	2300	2300						12-16d
ABU88	2320	2320						2-5/8" ANCHOR

(1) w/ INSTALLATION OF 4-16dS OPTIONAL NAIL HOLES
(2) FOR SYP GIRDER & SPF STUDS



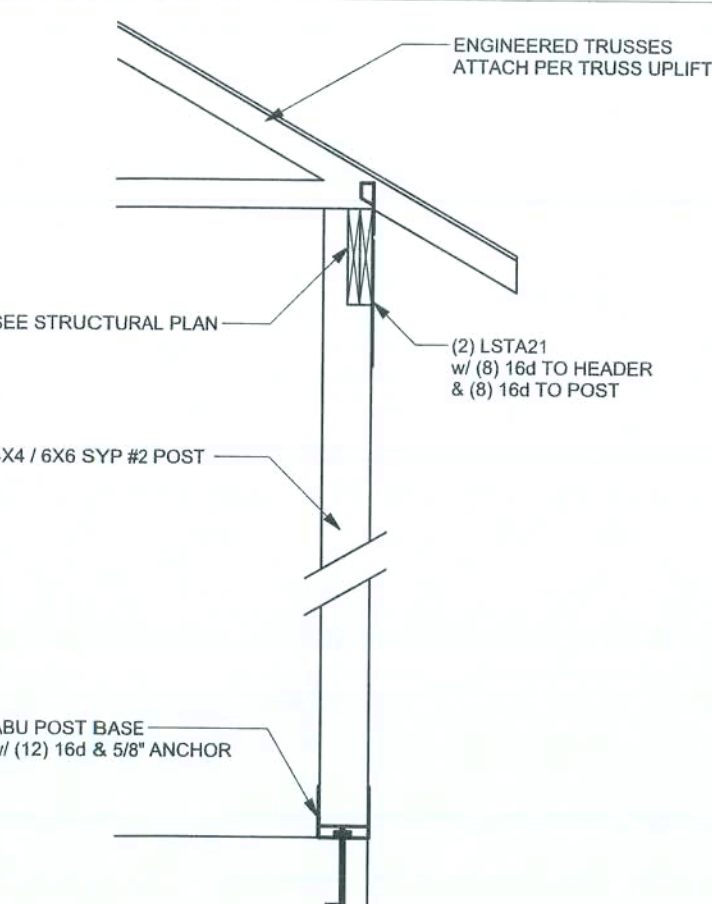
(TYP.) INTERIOR BEARING WALL

ONE STORY WOOD FRAME w/ RODS



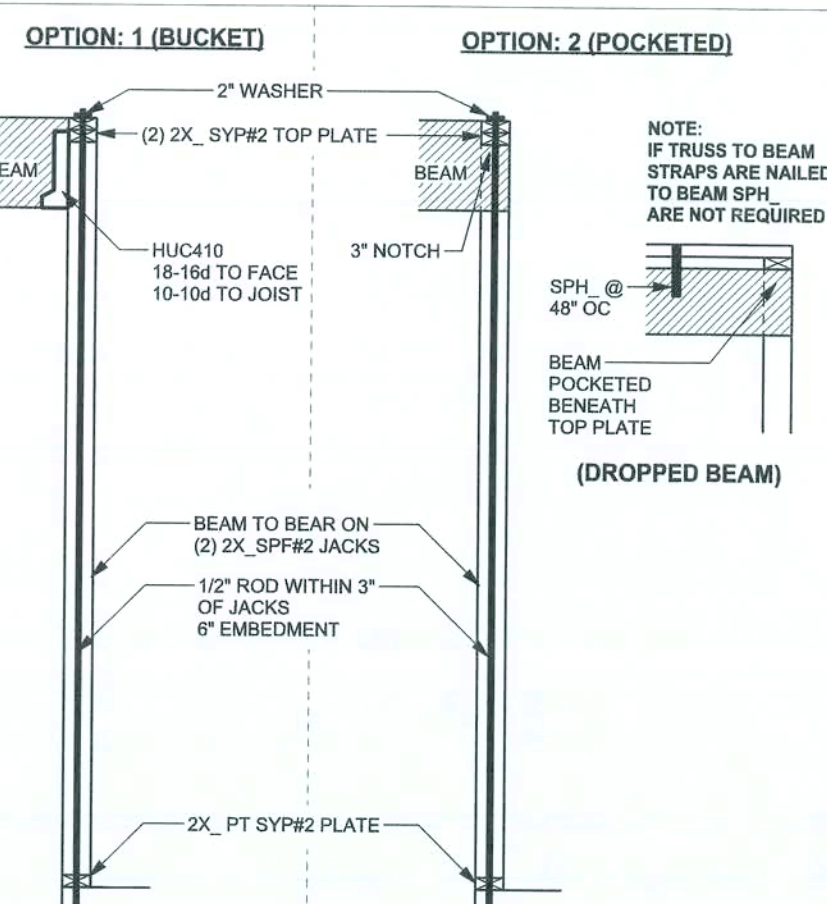
(TYP.) WALL CONNECTIONS

ONE STORY WOOD FRAME



(TYP.) PORCH POST

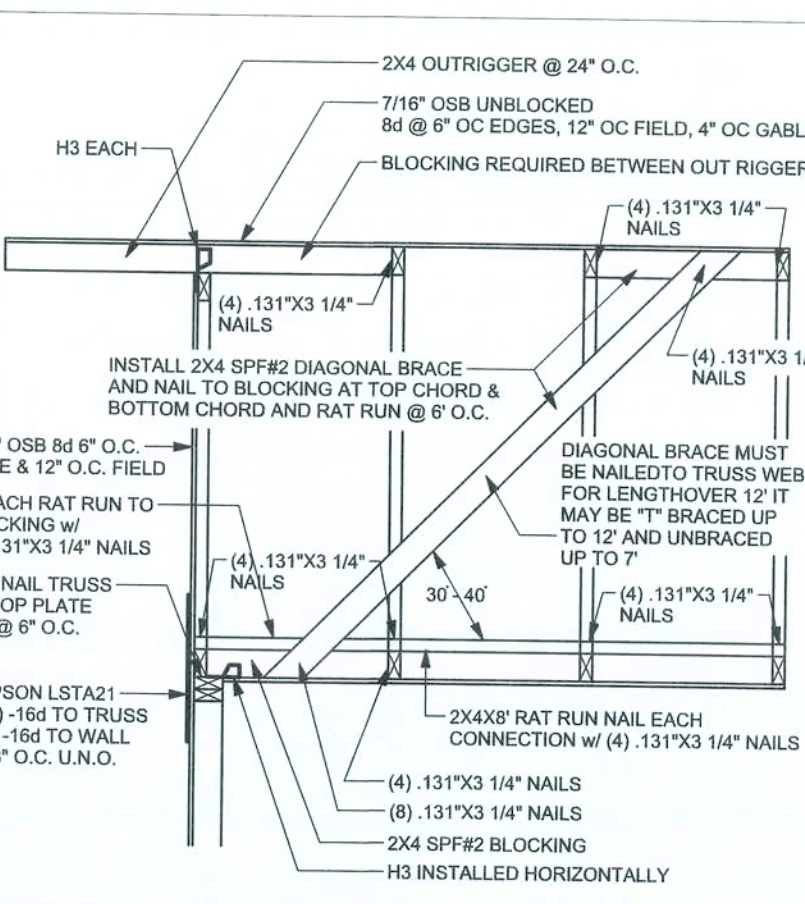
ONE STORY WOOD



(TYP.) BEAM TO WALL

WOOD FRAME w/ RODS

ALLOWABLE UPLIFT:
170 LB



(TYP.) GABLE BRACING DETAIL

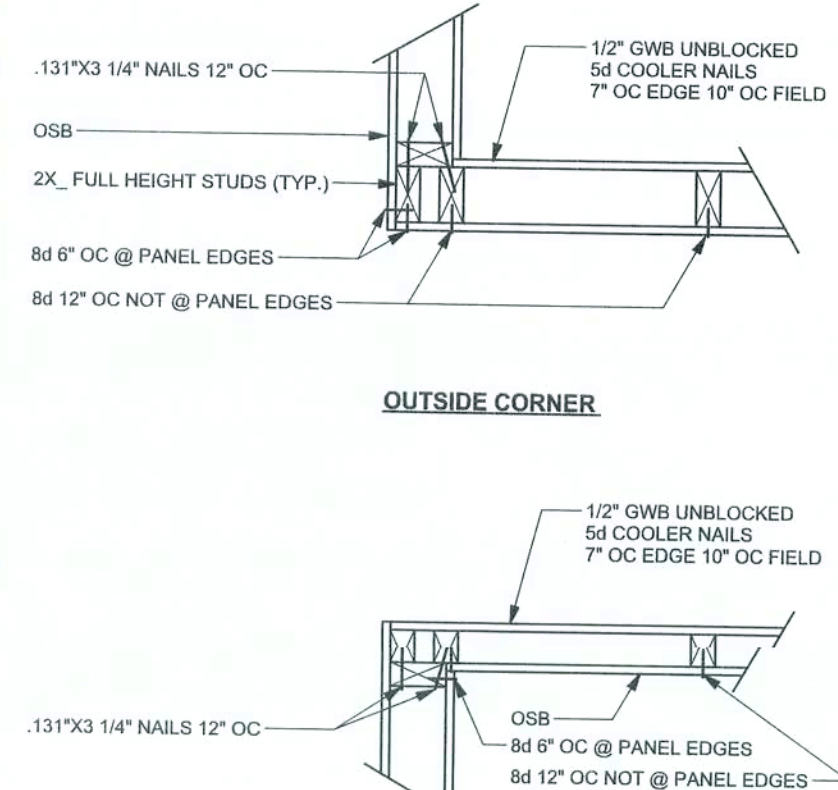
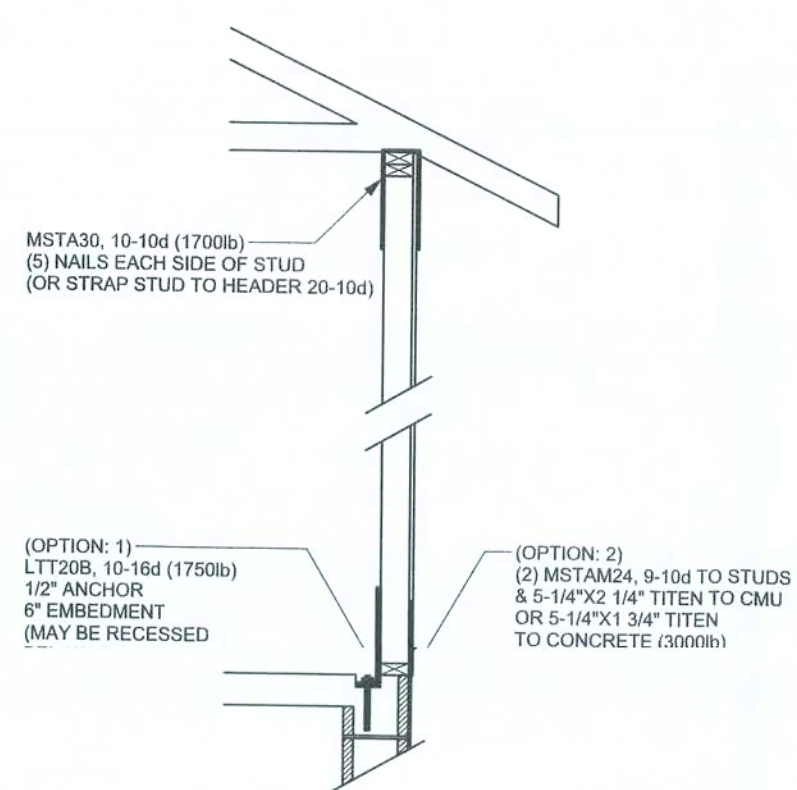
WOOD FRAME

ALTERNATE CONNECTION WHERE

ROD CANNOT BE PLACED IN WALL

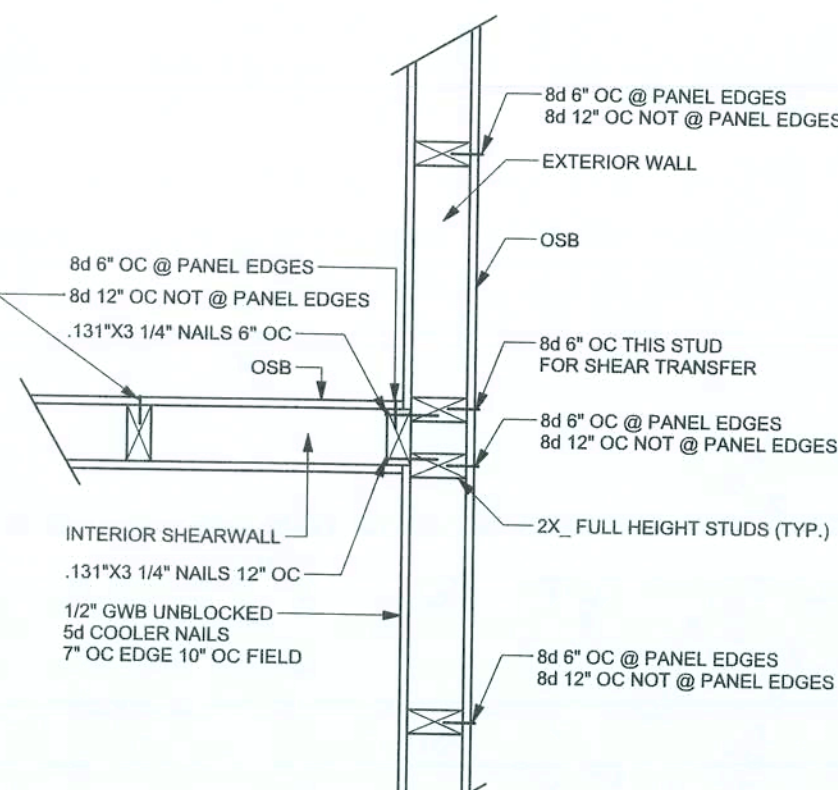
ONE STORY WOOD FRAME w/ RODS

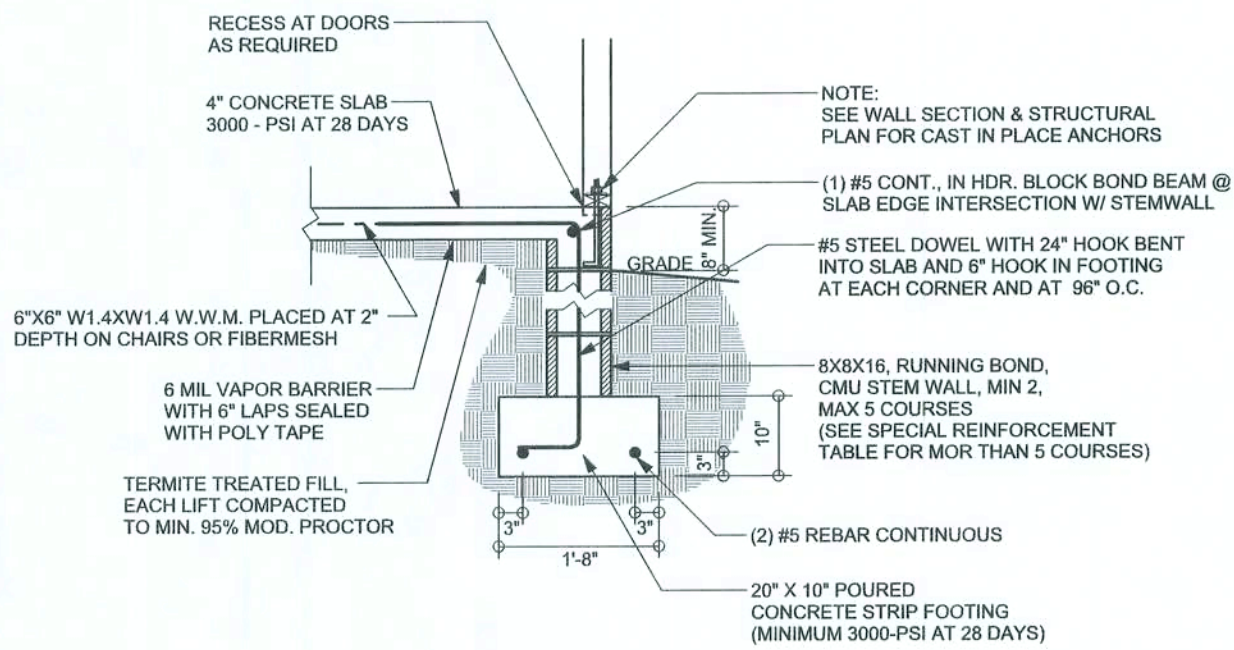
ALLOWABLE UPLIFT:
1900 LB



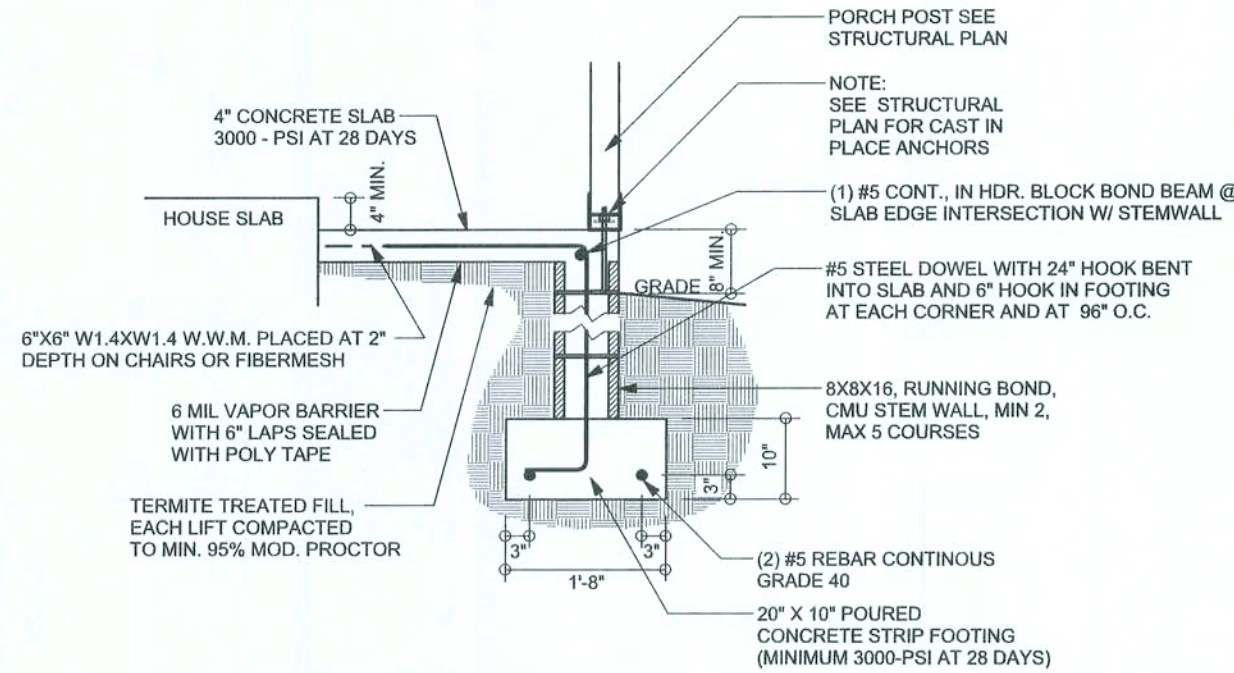
(TYP.) CORNER FRAMING

WOOD FRAME

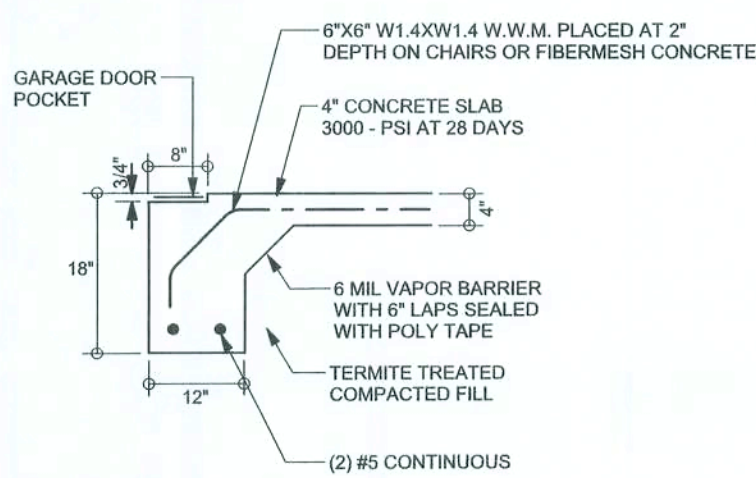




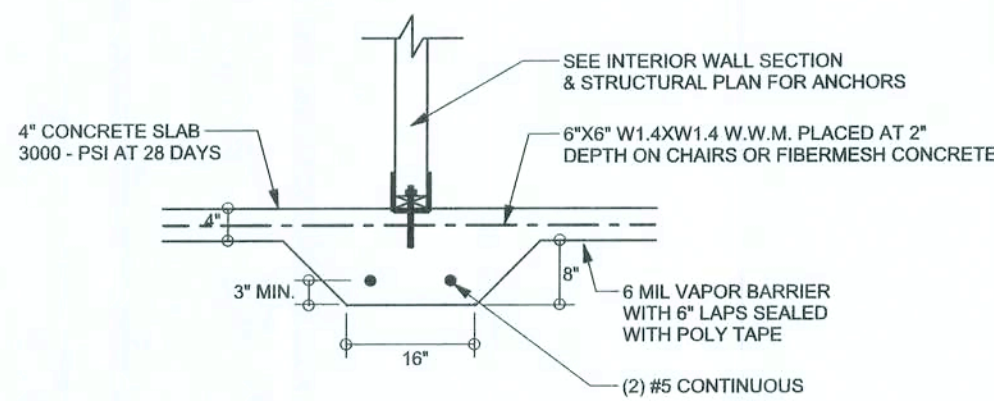
F9 S-2 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



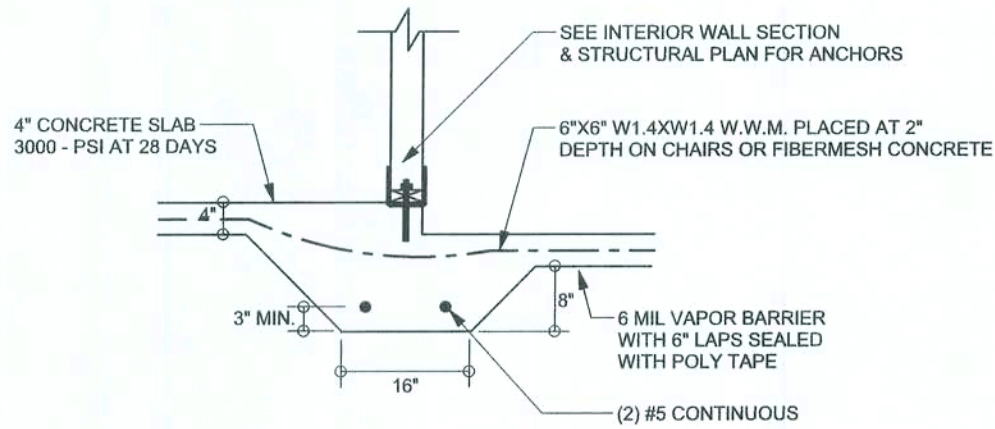
F12 S-2 ALT. STEM WALL PORCH FOOTING
SCALE: 1/2" = 1'-0"



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



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

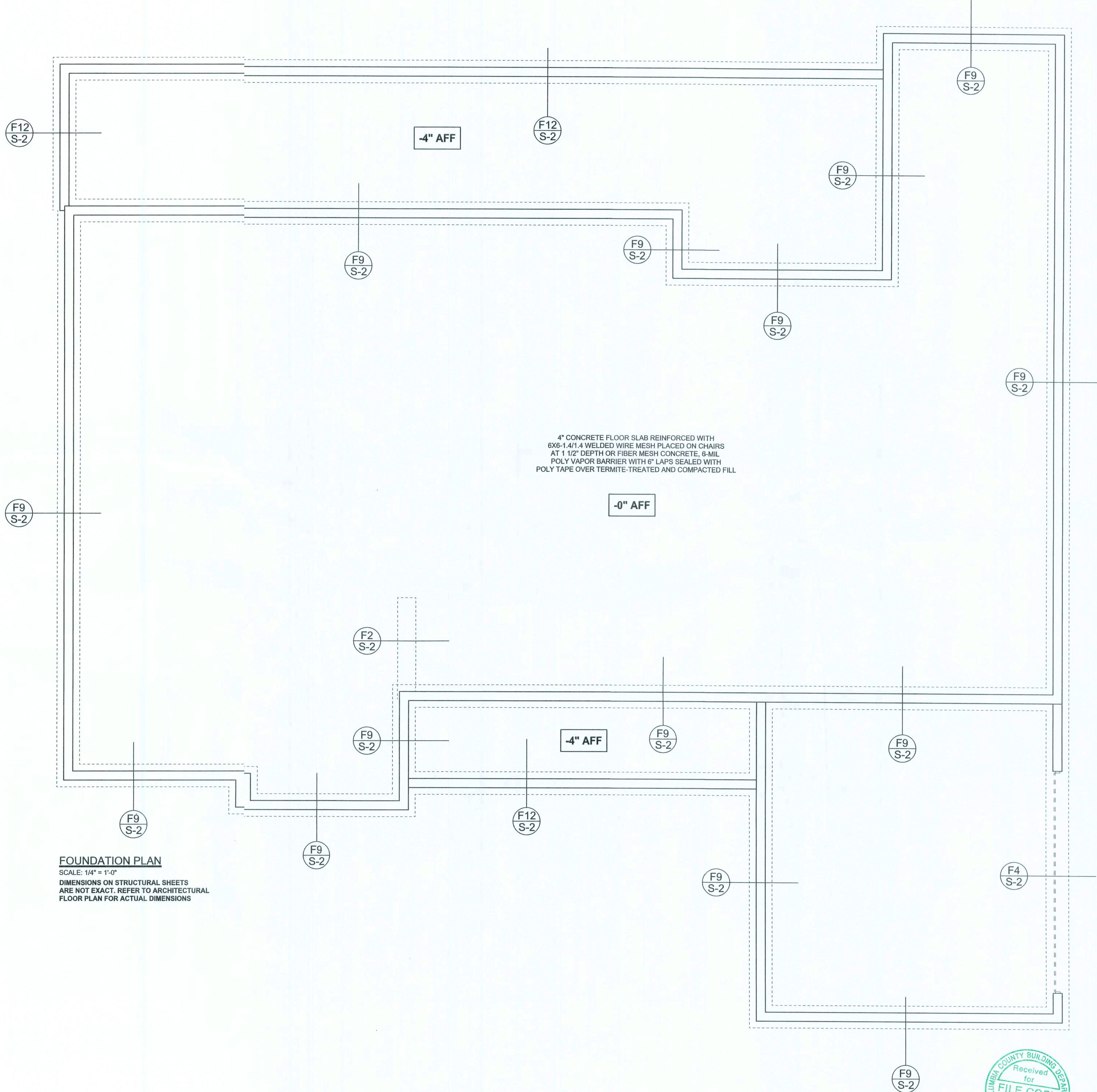


F3 S-2 INTERIOR BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"

TALL STEI WALL TABLE

The table assumes 6# reinforcing bars with 8" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Dowel ladder reinforcement at 18" O.C. vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement shown in the table below.

STEM WALL HEIGHT (FEET)	UNBALANCED BACKLIFT HEIT	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	96	96	96	96	96	96
4.0	3	96	96	96	96	96	96
4.7	4	88	96	96	96	96	96
5.3	5	56	96	96	96	96	96
6.0	5	40	80	96	80	96	96
6.7	6	32	56	80	56	96	96
7.3	7	24	40	56	40	80	96
8.0	7	16	32	48	32	64	80
8.7	8	8	24	32	24	48	64
9.3	9	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 Discoway, P.E.
No. 53115, P.O. Box 868 Lake City, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer a questions to Mark Discoway, 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 K501.2.1, Florida building code residential 2004, to the best of my knowledge.

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

MARK DISCOWAY
P.E. 53115

Mark Discoway
P.E. 53115

Sparks Construction

John & Julie
Taylor Residence

ADDRESS:
Lot 4 Pine Mount Meadows S/D
Columbia County, Florida

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

PRINTED DATE:
August 06, 2008

DRAWN BY: STRUCTURAL BY:
David Discoway

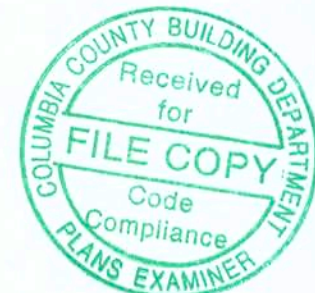
FINALS DATE:
6 Aug 08

JOB NUMBER:
87241

DRAWING NUMBER

S-2

OF 3 SHEETS



REVISIONS

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WINDLOAD ENGINEER:
Mark Discoway, P.E.
No. 53915, P.O. Box 868, Lake City, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supersedes scaled
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of Mark Discoway.

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 DISCOWAY
P.E. 5915

06/14/08

SEL

Sparks Construction

John & Julie
Taylor Residence

ADDRESS:
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Columbia County, Florida

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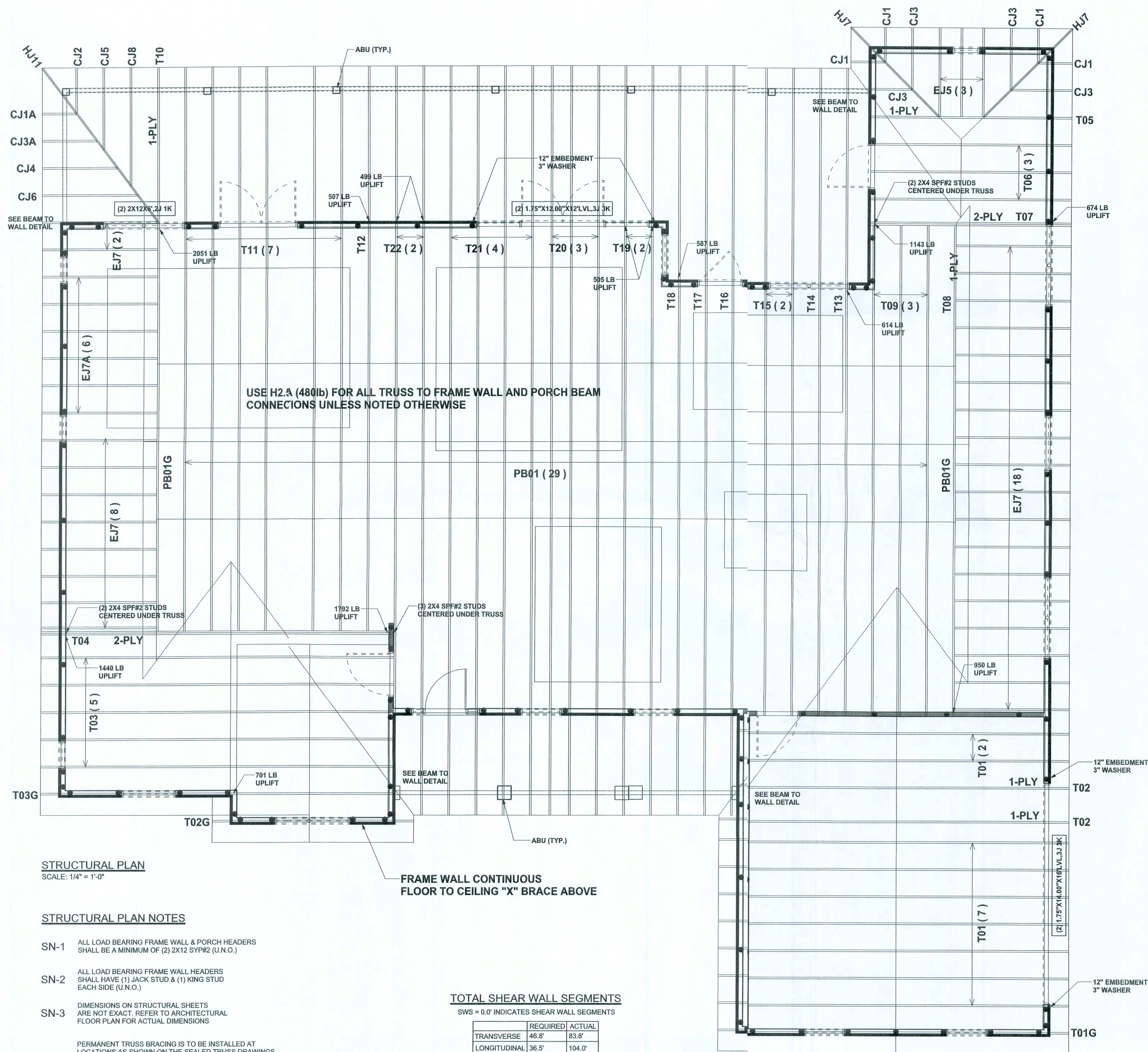
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David Discoway

FINALS DATE:
6Aug08

JOB NUMBER:
807241

DRAWING NUMBER
S3

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-403, BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	46.8'	83.8'
LONGITUDINAL	36.5'	104.0'

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

WALL LEGEND

—	EXTERIOR WALL
---	INTERIOR NON-LOAD BEARING WALL
///	INTERIOR LOAD BEARING WALL w/ NO UPLIFT
---	INTERIOR LOAD BEARING WALL w/ UPLIFT

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



CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE JOB # L284669