

REVISIONS

2-1-2001



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

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 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-1-01, BCSI-1-02, & BCSI-1-03. ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

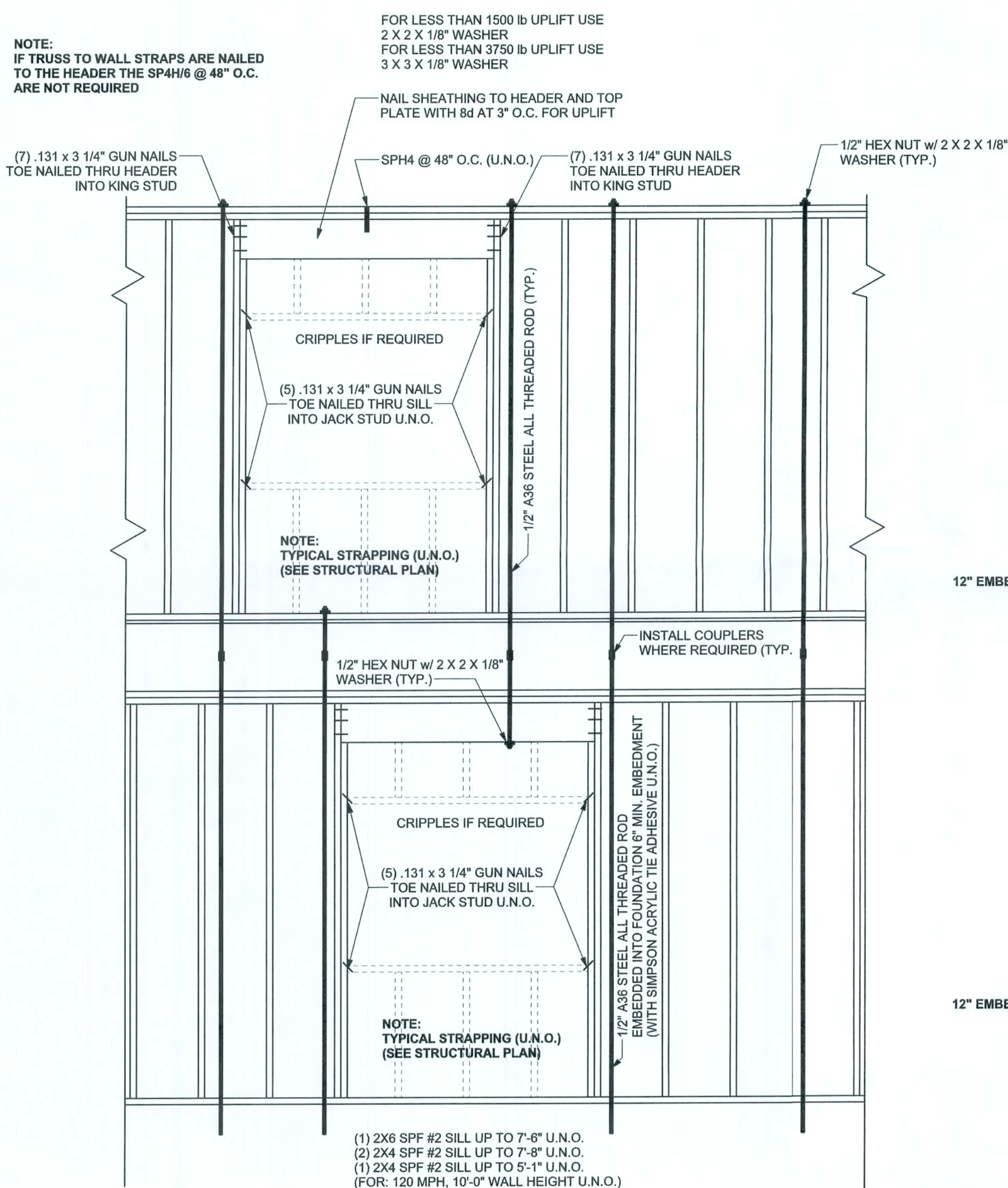
THREADED ROD LEGEND

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

1ST FLOOR TOTAL SHEAR WALL

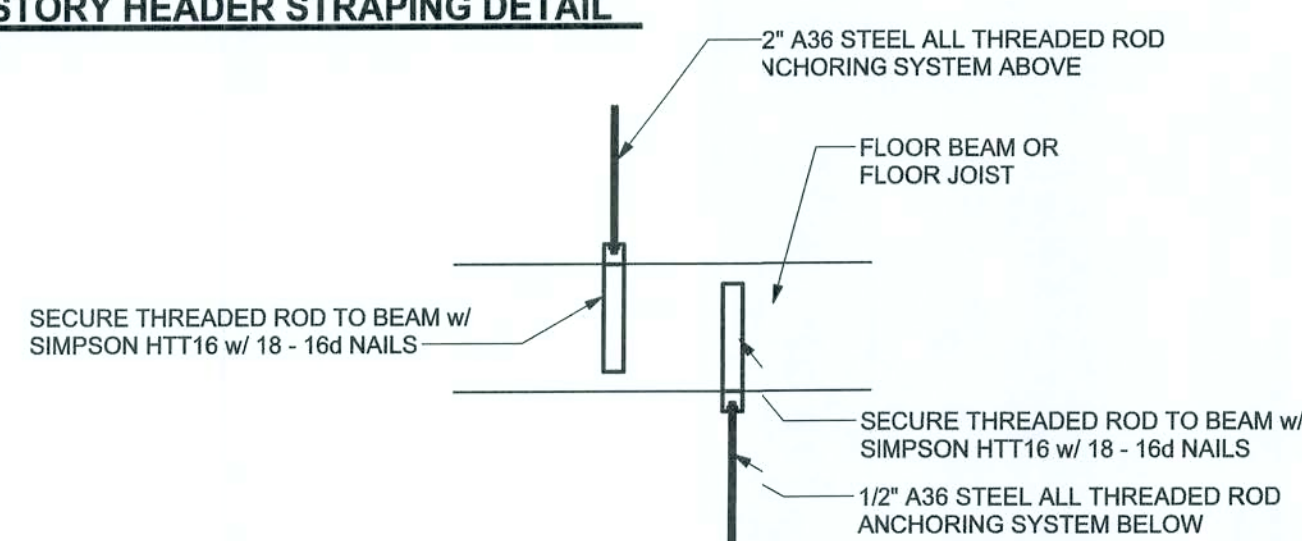
SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	TRANSVERSE	LONGITUDINAL
ACTUAL	62.0'	46.5'
REQUIRED	28.5'	16.0'



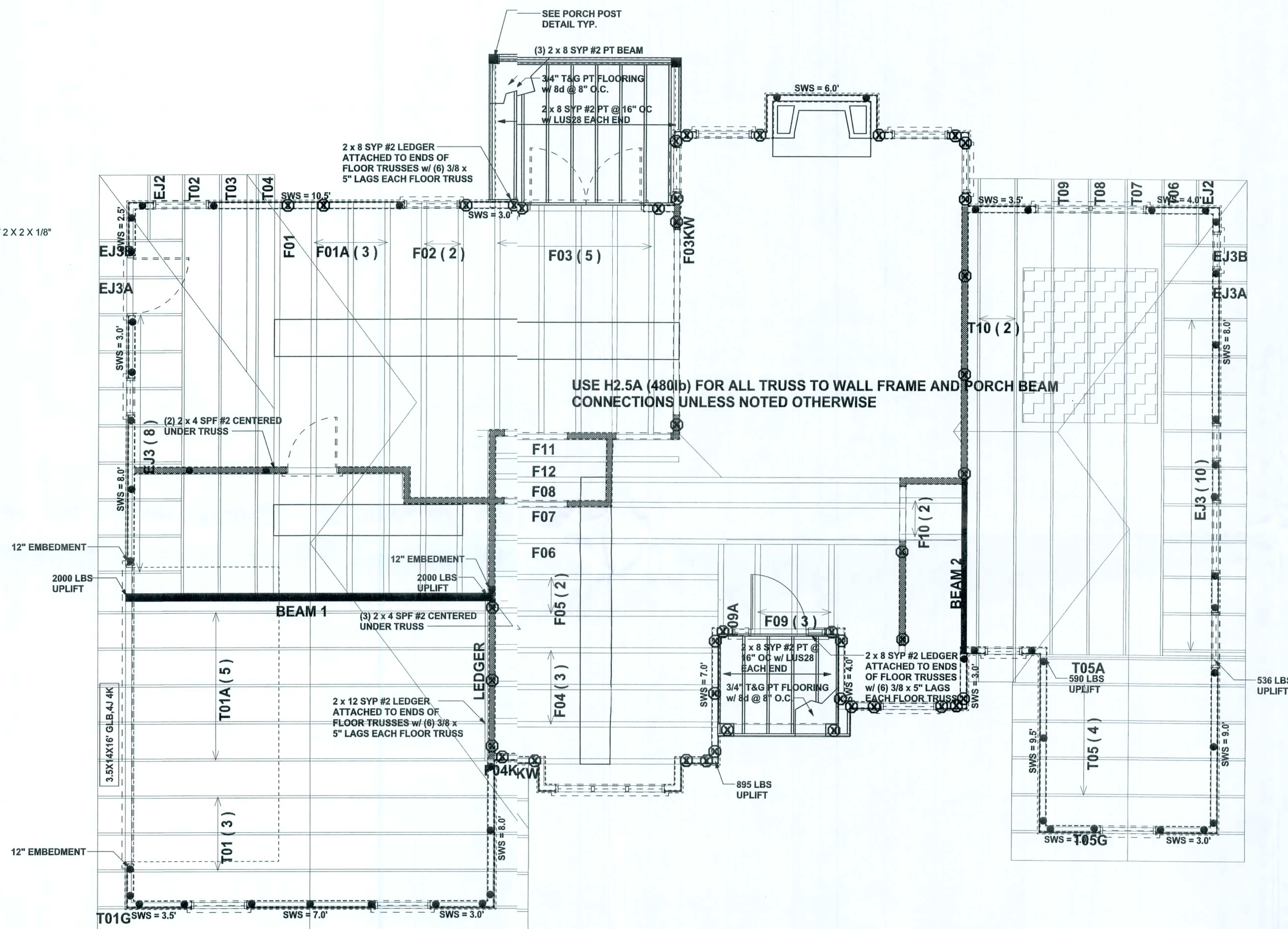
TYPICAL 2 STORY HEADER STRAPING DETAIL

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



OPTIONAL THREADED ROD TO FLOOR BEAM OR FLOOR JOIST

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



STRUCTURAL FLOOR PLAN

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

WINDLOAD ENGINEER: Mark Disoway, P.E. No. 53915, POB 88, Lake City, FL 32056, 386-754-5411

DIMENSIONS: Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. or 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 901.2.1, 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

James & Erica Cook

James & Erica Cook

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The Cove 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:
February 01, 2008

DRAWN BY: STRUCTURAL BY:
Ben Sparks

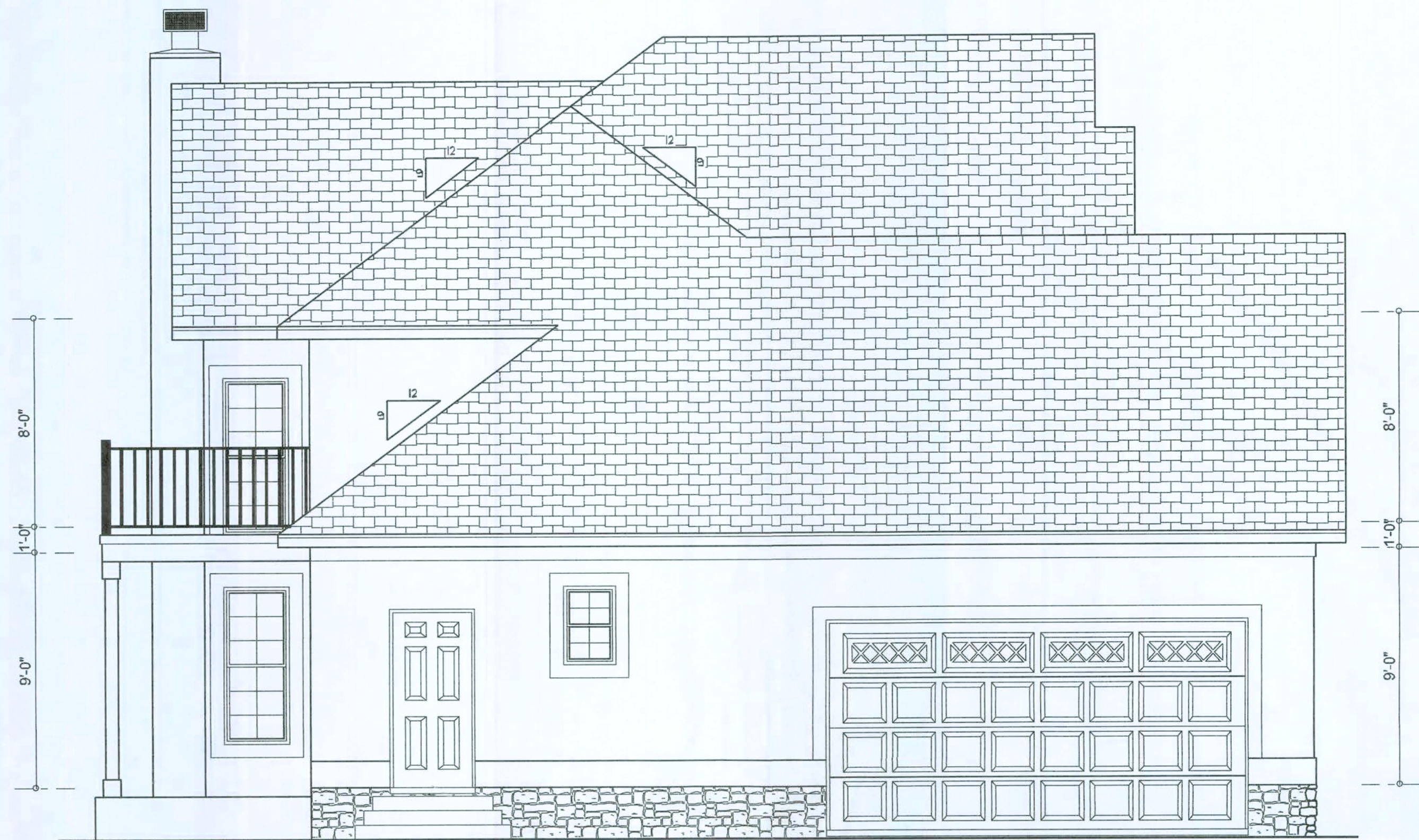
FINALS DATE:
29 / Jan / 08

JOB NUMBER:
801071

DRAWING NUMBER

S3

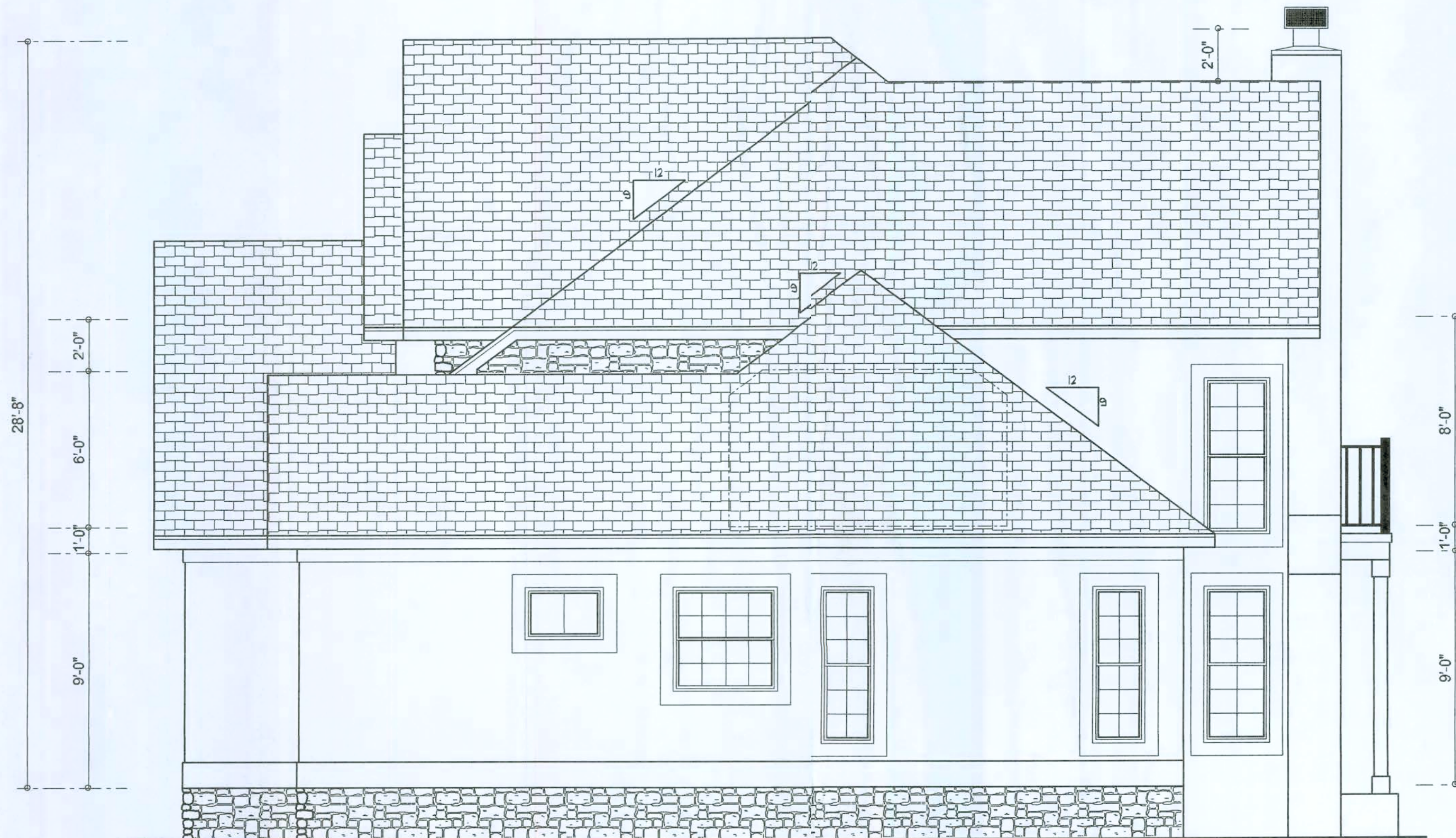
OF 6 SHEETS



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"

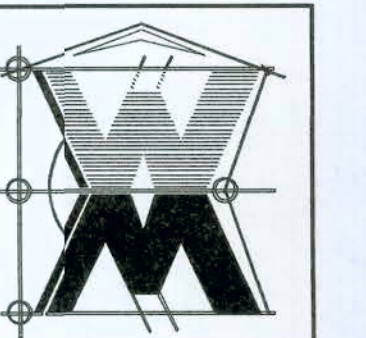
REVISIONS
January 20, 2018

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RESIDENCE FOR:
JAMES & ERICA COOK
PROJECT ADDRESS: THE COVE, COLUMBIA COUNTY, FL 32024

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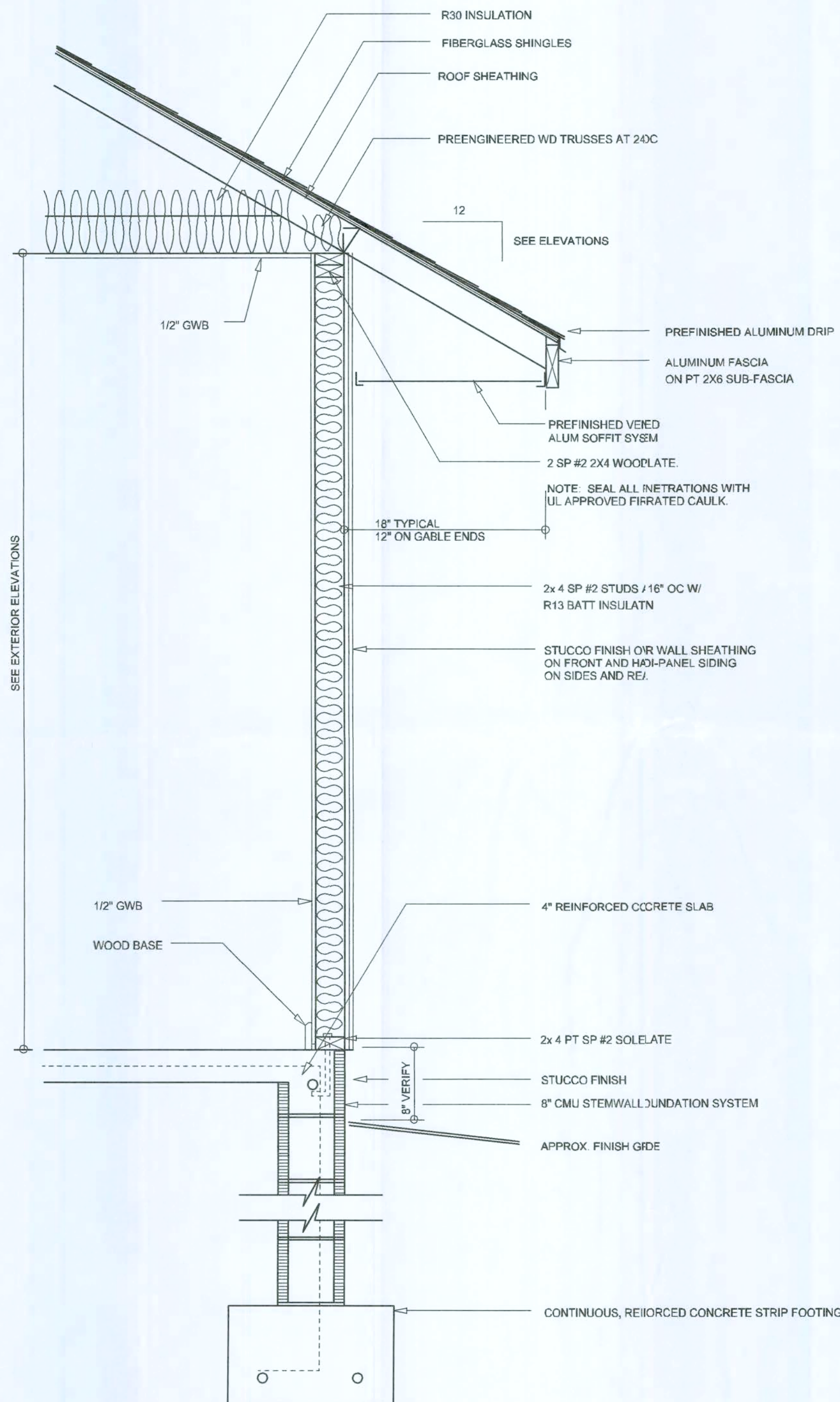
JCB NUMBER
J81005

SHEET NUMBER

A.1

OF 5 SHEETS

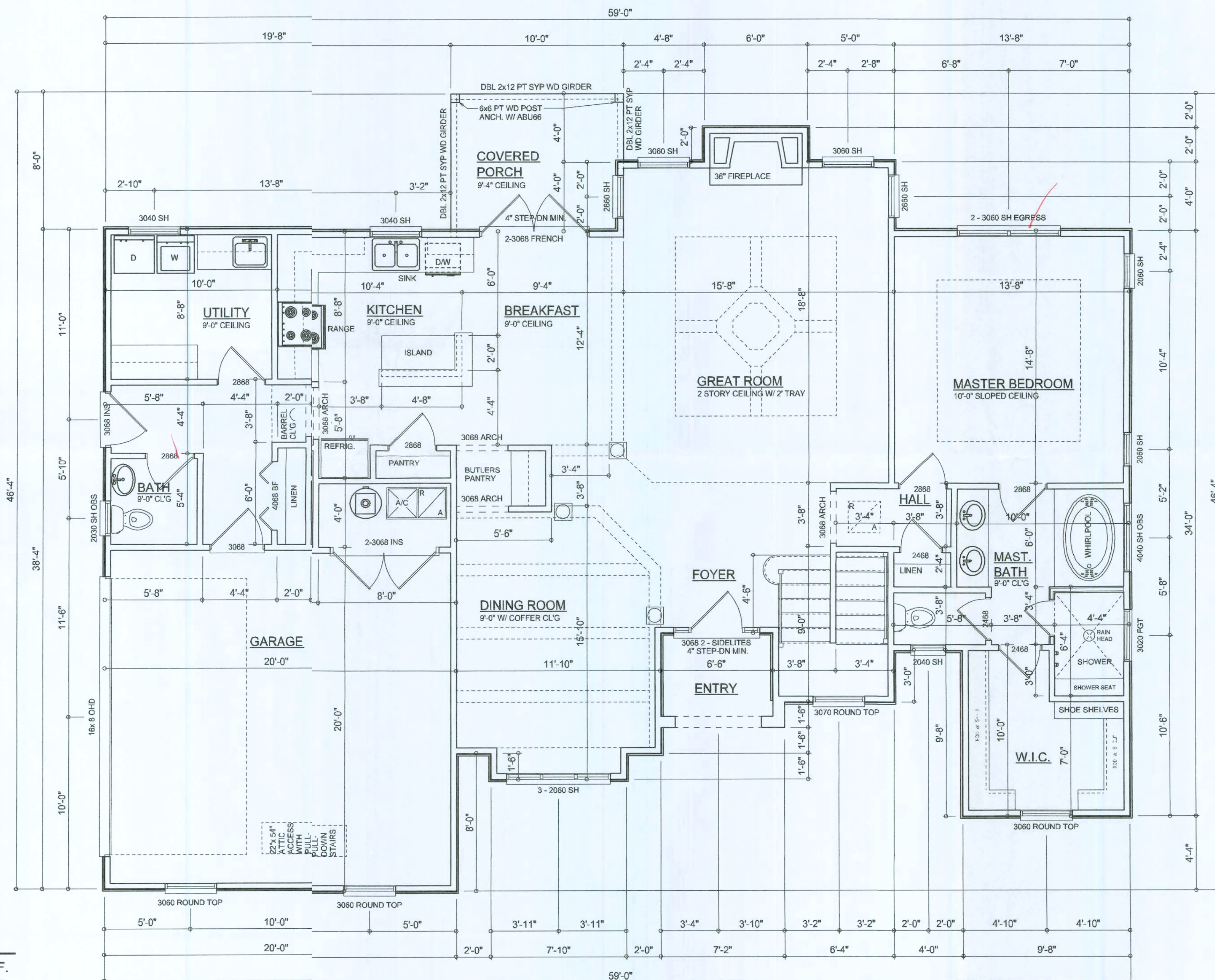
William Myers



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

AREA SUMMARY

ST FLOOR AREA	1575	S.F.
ND FLOOR AREA	767	S.F.
OTAL LIVING	2342	S.F.
ORAGE AREA	396	S.F.
ENTRY PORCH AREA	36	S.F.
ND FLOOR BALCONY	36	S.F.
OTAL AREA	2810	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.

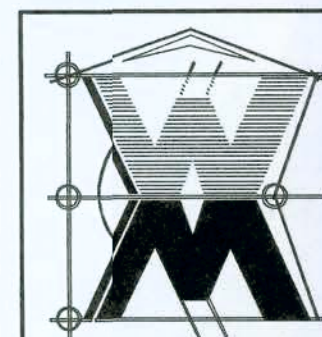
REVISIONS
January 29, 2008

SCOTT PLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RESIDENCE FOR:
JAMES & ERICA COOK
PROJECT ADDRESS: THE COVE, COLUMBIA COUNTY, FL 32024

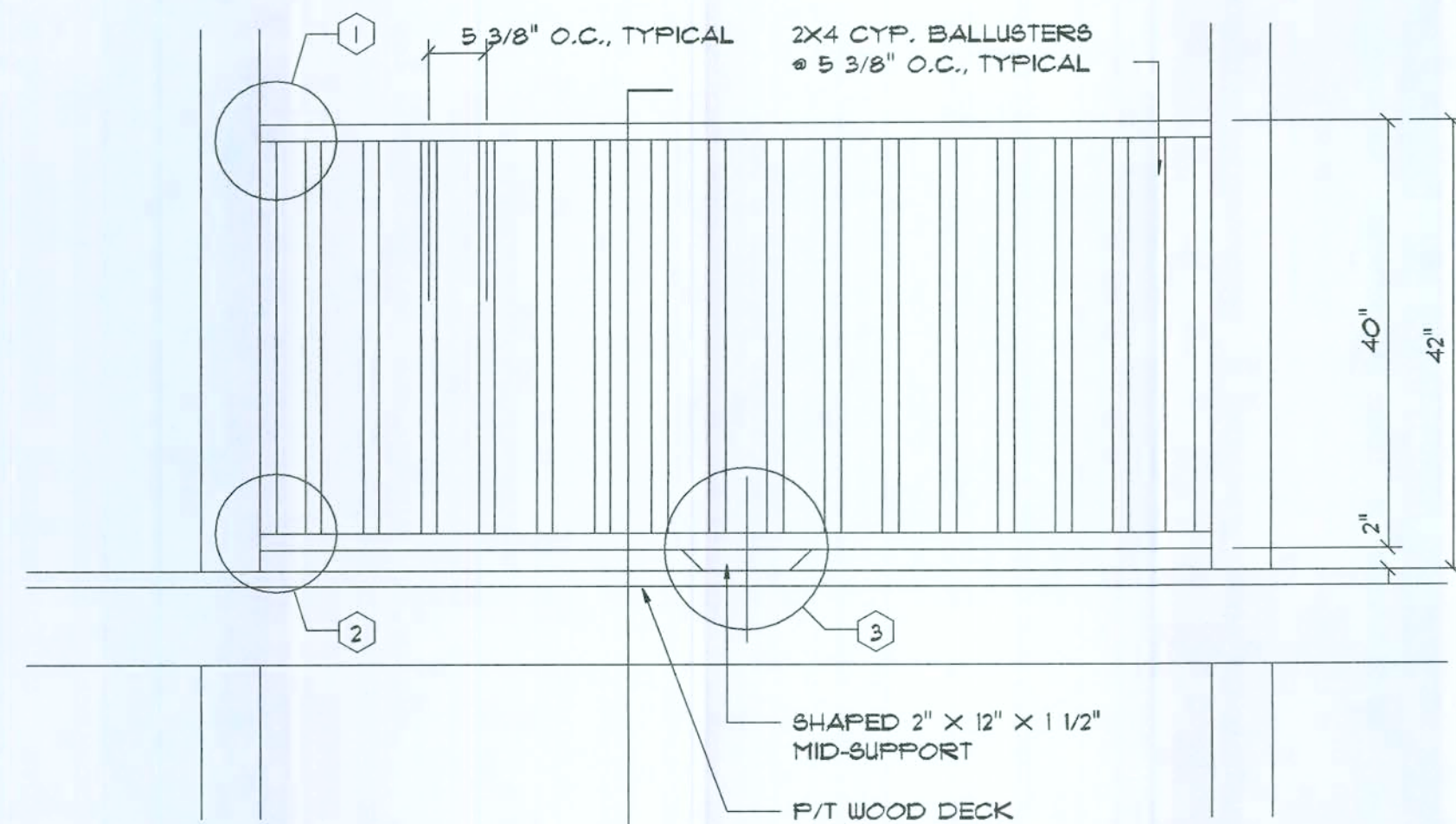
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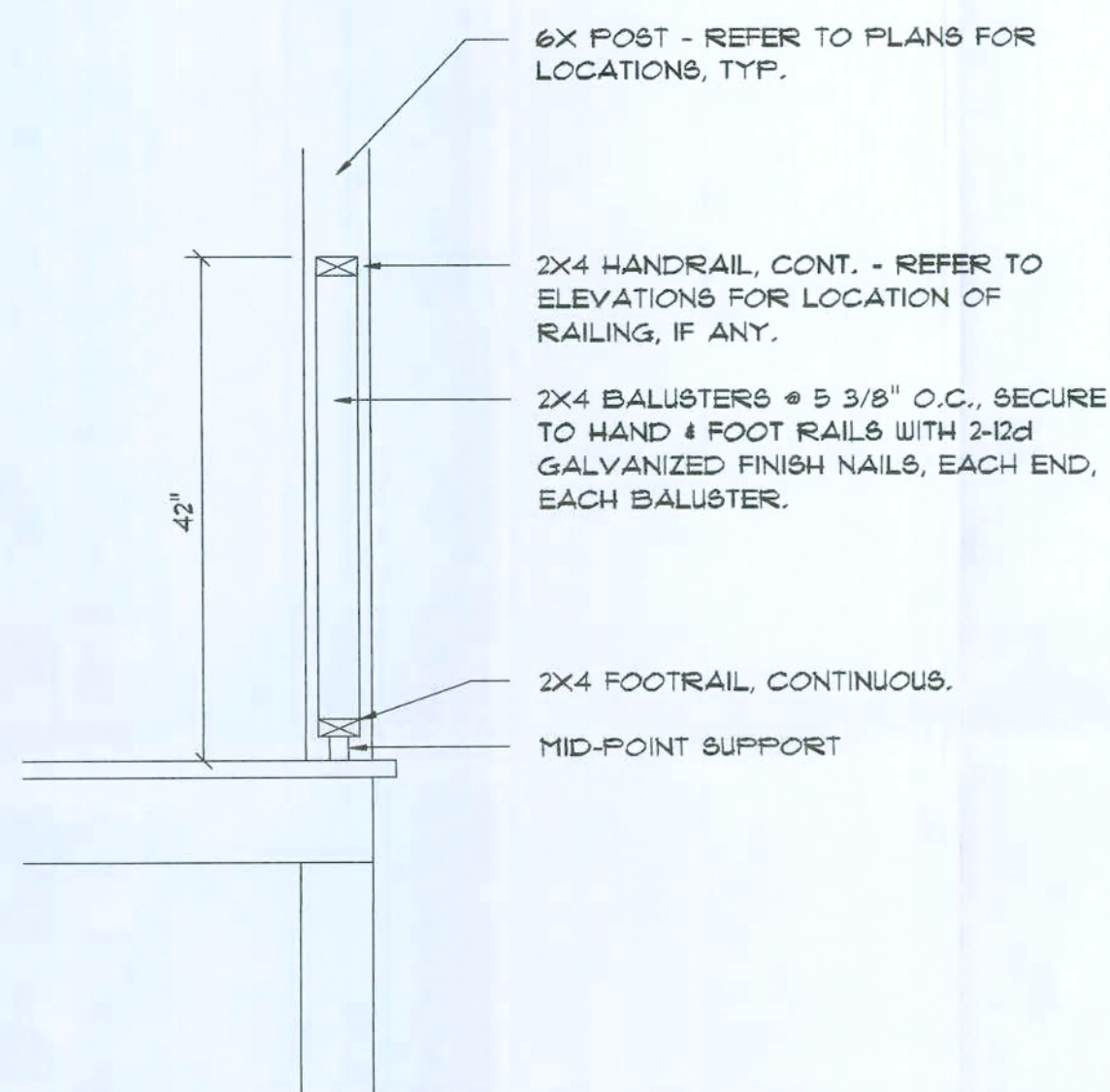
JCB NUMBER
J81005

SHEET NUMBER
A.1
OF 5 SHEETS

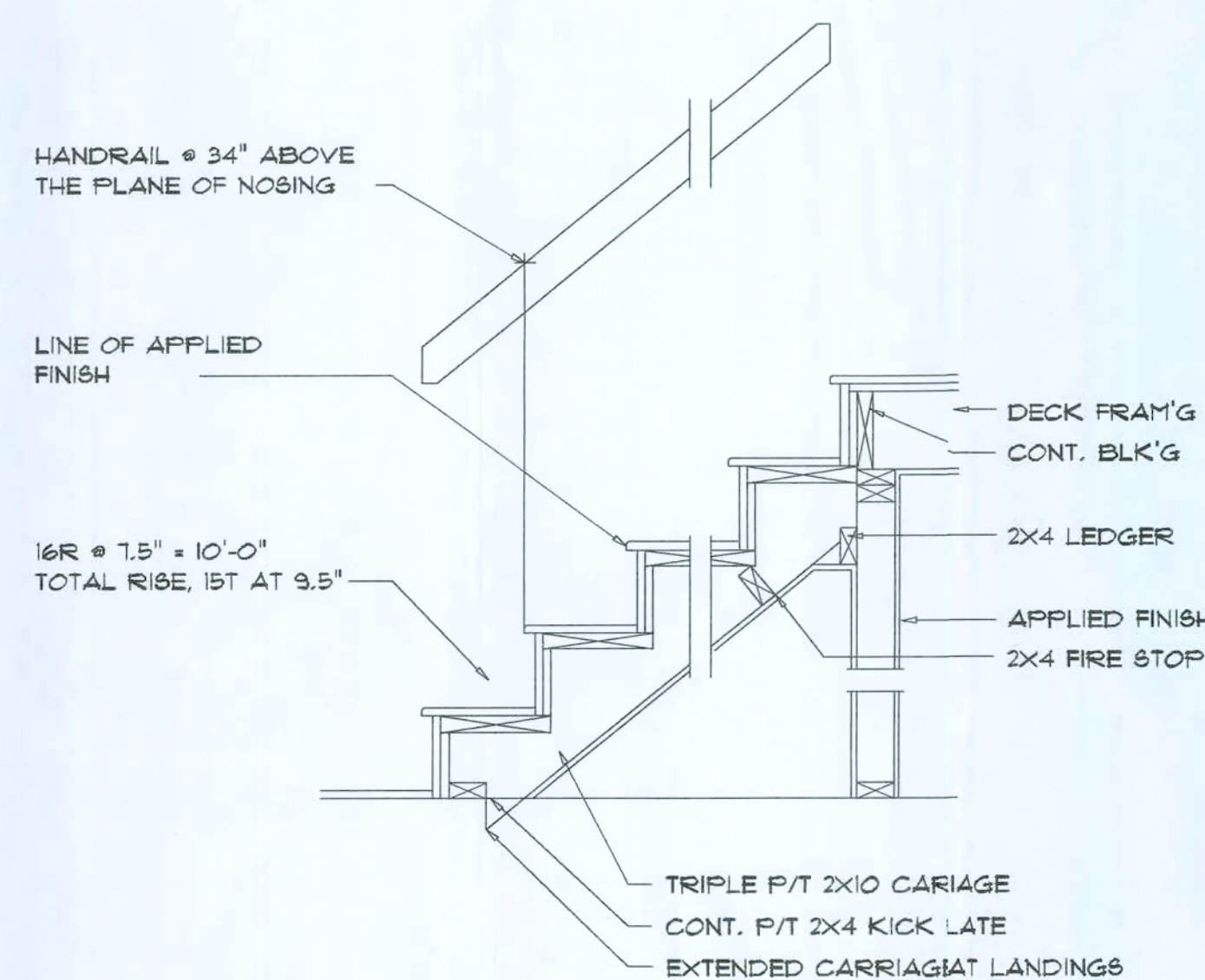
Will C. Myers



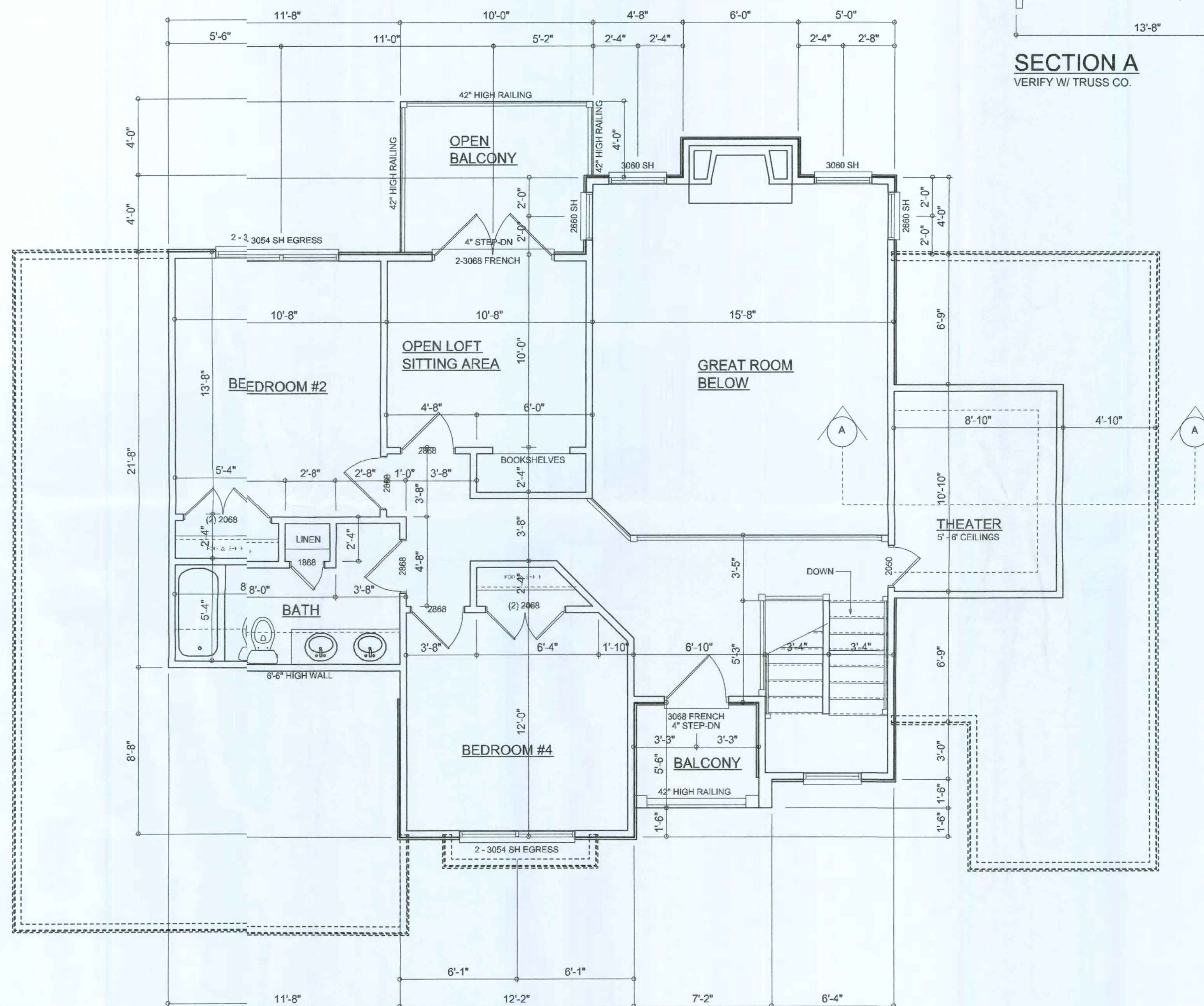
Exterior Railing ELEV.
SCALE: 3/4" = 1'-0"



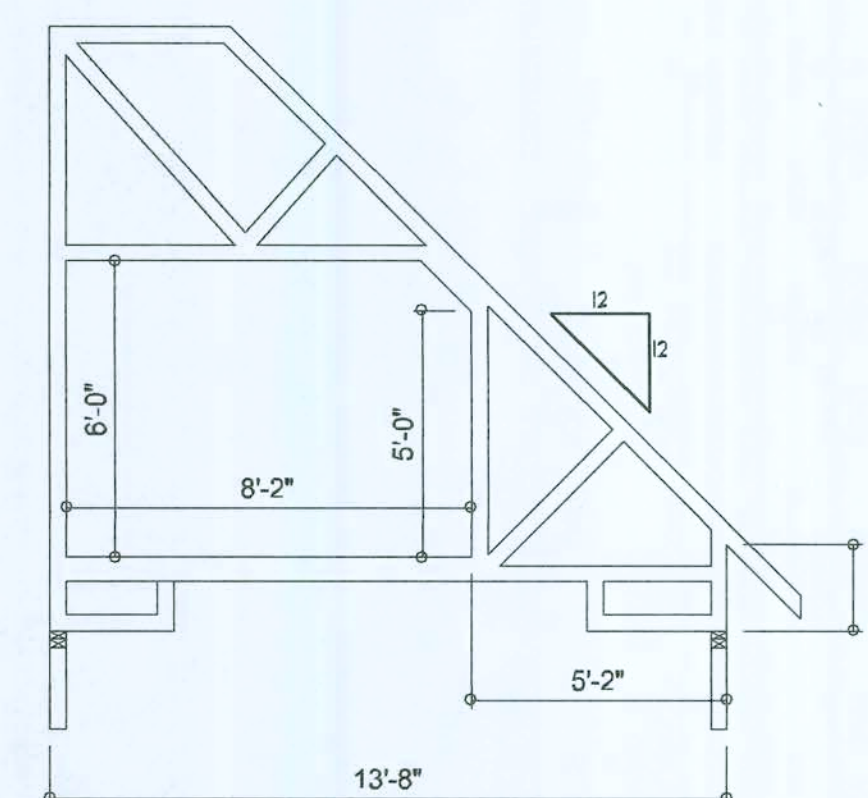
Exterior Railing SEC.
SCALE: 3/4" = 1'-0"



TYPICAL STAIR DETAILS
SCALE: NTS



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



SECTION A
VERIFY W/ TRUSS CO.

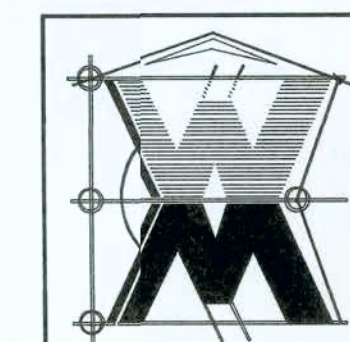
REVISIONS	DATE	BY	APP
1	January 29, 2008		

SCOTT PLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RESIDENCE FOR:
JAMES & ERICA COOK
PROJECT ADDRESS: THE COVE, COLUMBIA COUNTY, FL 32024

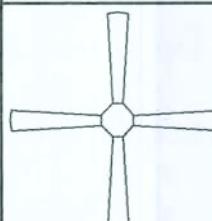
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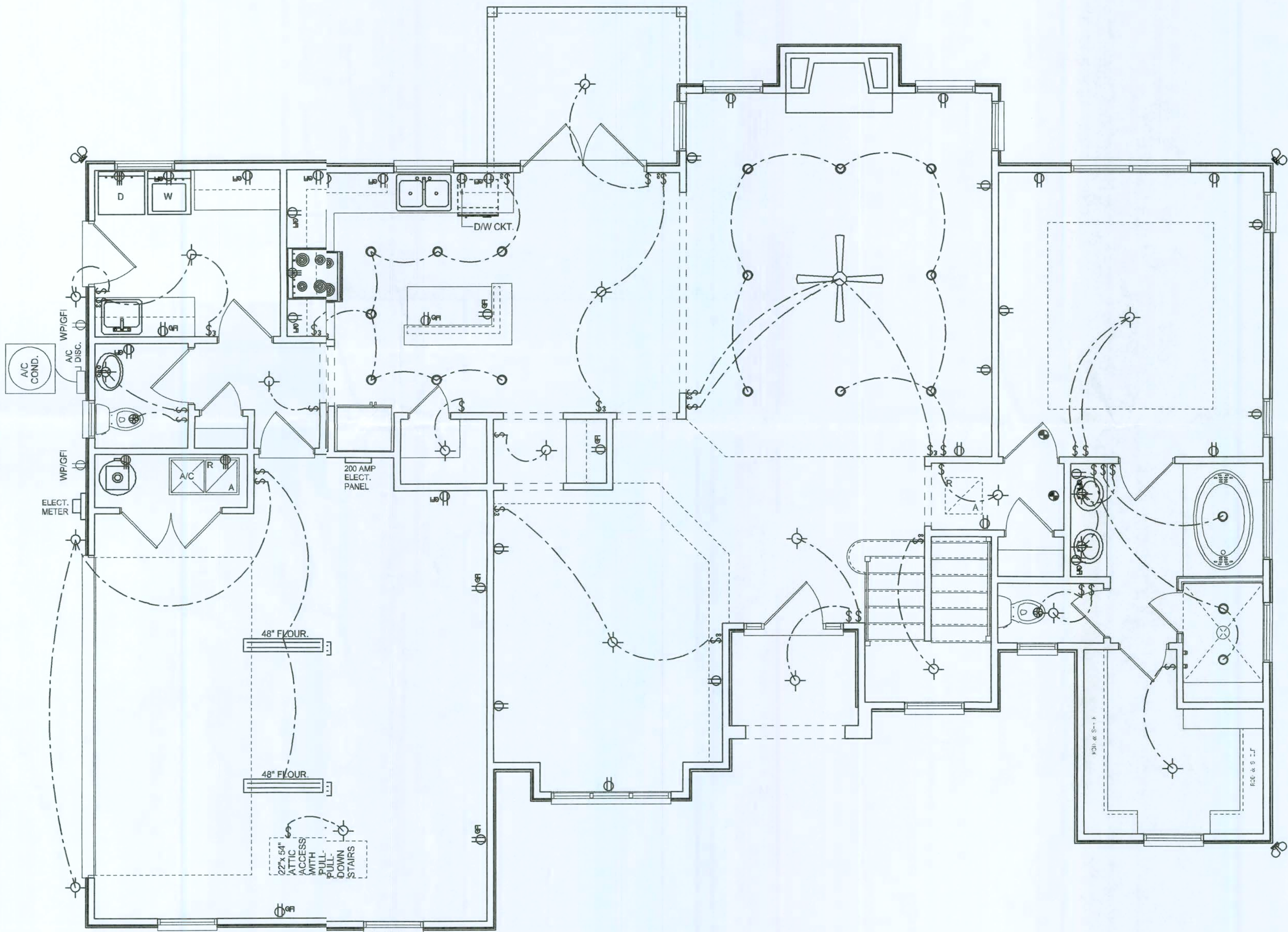
Will Myers

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
48" FLOOR	2 OR 4 TUB FLUORESCENT FIXTURE

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

ALL SMOKE DETECTORS SHALL HAVE BATTERY BACKUP PWR
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 SERVES AS A DISCONNECT MEANS.
CONDUCTORS USED FROM THE EXTERIOR DISCONNECT MEANS TO A 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"

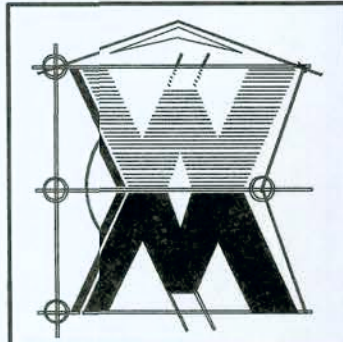
REVISIONS	
January 20, 2018	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RESIDENCE FOR:
JAMES & ERICA COOK
PROJECT ADDRESS: THE COVE, COLUMBIA COUNTY, FL 32024

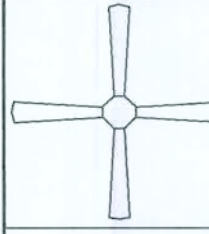
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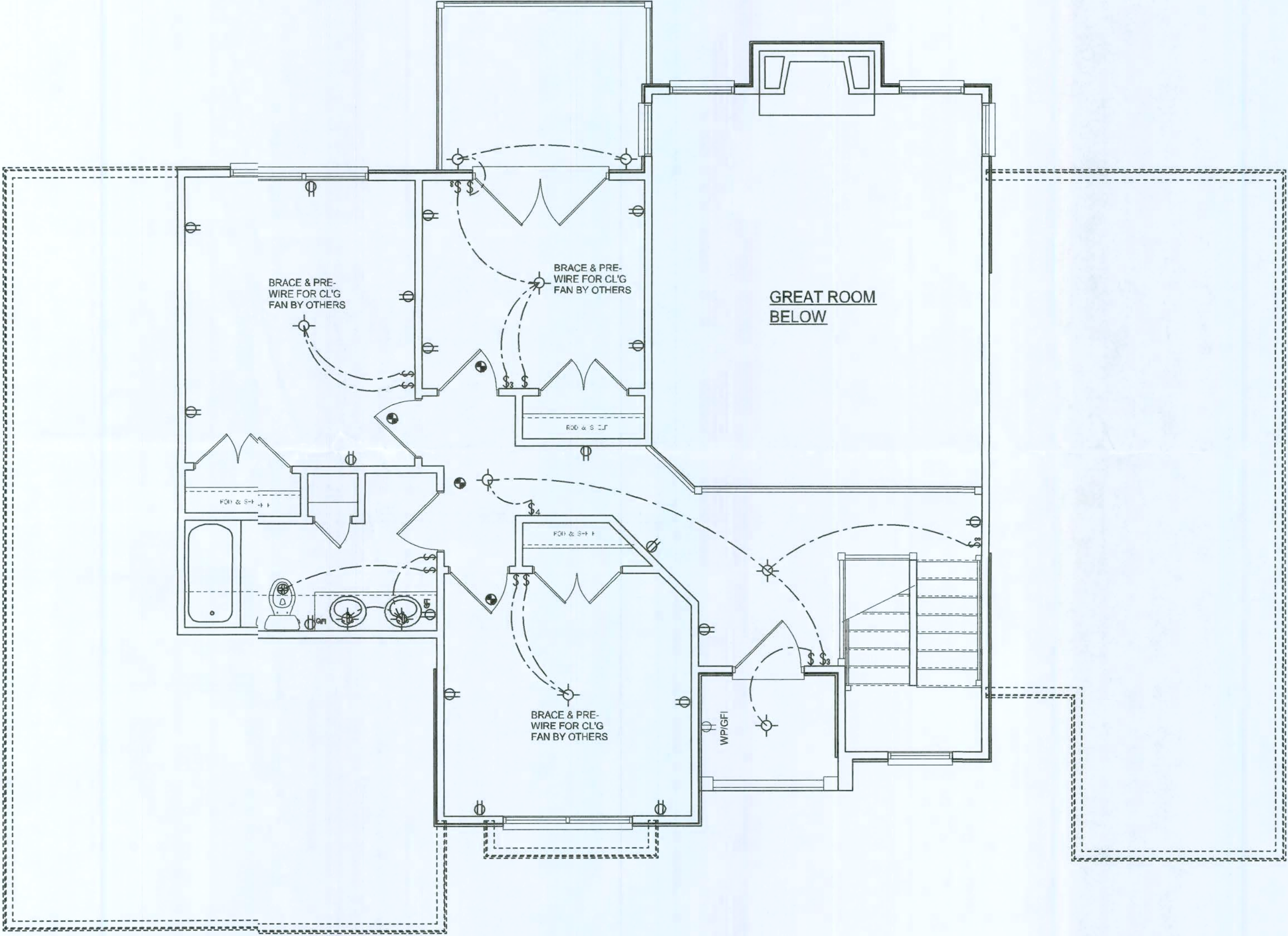
Will C. Myers

ELECTRICAL LEGEND	
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	DOUBLE SECURITY LIGHT
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SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

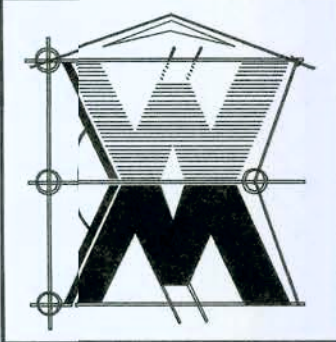
REVISIONS
January 25, 2000



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

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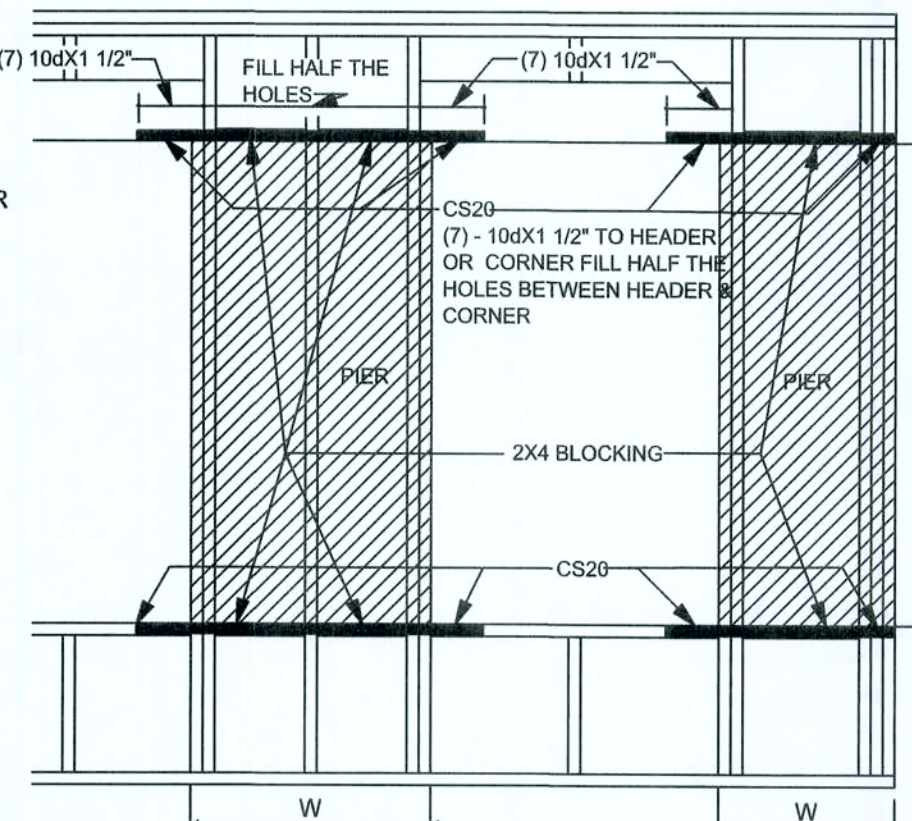


JOB NUMBER
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SHEET NUMBER
A.2
OF 5 SHEETS

William C. Myers

REVISIONS



NOTE: THIS DETAIL IS INTENDED TO BE USED ONLY FOR NARROW SHEARWALL SEGMENTS AS SPECIFIED ON THE PLAN. THE PIER BESIDE THE OPENING MUST MEET THE ASPECT RATIO REQUIREMENT $H/W < 3.5:1$ WHERE H IS THE PIER HEIGHT. FOR WINDOWS NOT GREATER THAN 2' HIGH OR 5' WIDE THE WIDTH OF THE OPENING MAY BE INCLUDED AS FULL HEIGHT SHEARWALL IN ADDITION TO THE PIER WIDTH WHEN STRAPPED ACCORDING TO THIS DETAIL.

W68 - OPENING FORCE TRANSFER SCALE: 1/2"=1'-0"

GRADE & SPECIES TABLE

		Fb (psi)	E (10 ⁶ 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
LVL	TIMBERSTRAND	1700	2.0
LVL	MICROLAM	2900	2.7
PSL	PARALAM	2900	2.0

ROOF SYSTEM DESIGN

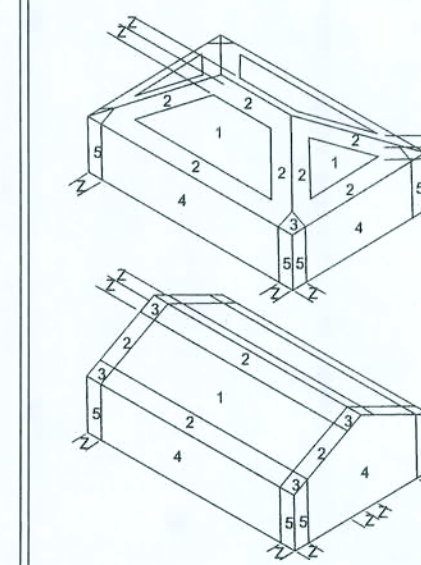
THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION R302.1.2 IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBCR 2004 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 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
- BASIC WIND SPEED = 110 MPH
 - WIND EXPOSURE = B
 - WIND IMPORTANCE FACTOR = 1.0
 - BUILDING CATEGORY = II
 - ROOF ANGLE = 10-45 DEGREES
 - MEAN ROOF HEIGHT = <30 FT
 - INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)
 - COMPONENTS AND CLADDING DESIGN WIND PRESSURES (TABLE R301.2(2))



Zone	Effective Wind Area (ft ²)	10	100
1	19.9	21.8	18.1
2	19.9	25.5	18.1
2 Onq		-40.6	-40.6
3	19.9	25.5	18.1
3 Onq		-68.3	-42.4
4	21.8	-23.6	18.5
5	21.8	-29.1	18.5
Doors & Windows Worst Case (Zone 5, 10 ft ²)		21.8	-29.1
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)

James & Erica Cook

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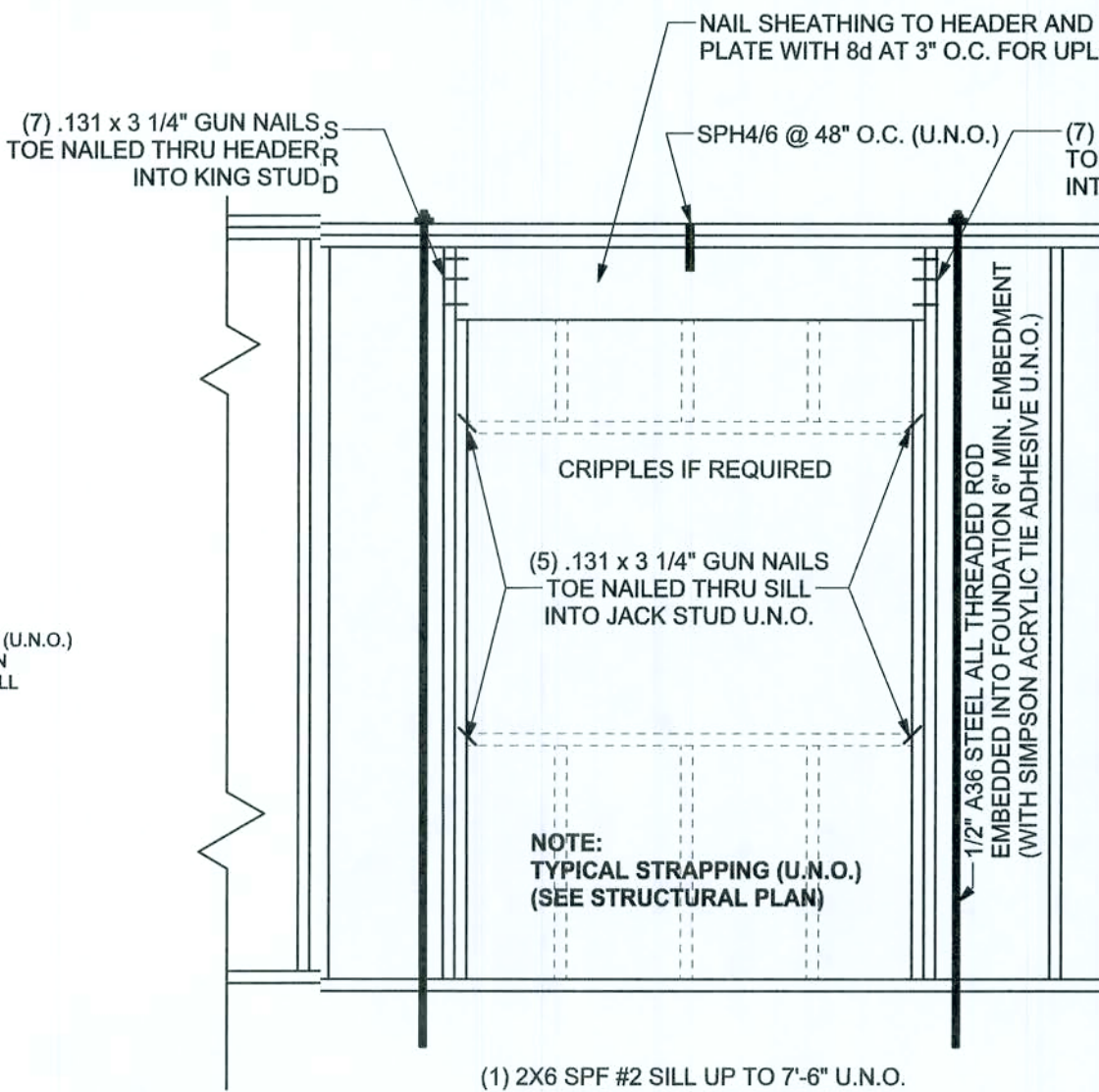
DRAWING NUMBER

S1

06 SHEETS

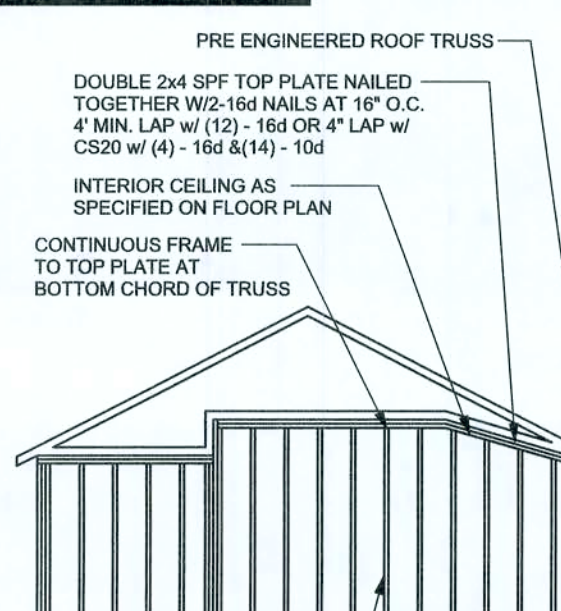
NOTE: IF TRUSS TO WALL STRAPINGS ARE NAILED TO THE HEADER THE SPH4/16 @ 48" O.C. ARE NOT REQUIRED

FOR LESS THAN 1500 lb UPLIFT USE
2 X 2 X 1/8" WASHER w/ 1/2" HEX NUT
FOR LESS THAN 3750 lb UPLIFT USE
3 X 3 X 1/8" WASHER w/ 1/2" HEX NUT



TYPICAL 1 STORY HEADER STRAPPING DETAIL

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



2x6 SYP #2 GARAGE DOOR BUCK ATTACHMENT

ATTACH GARAGE DOOR BUCK TO STUD PACK AT EACH SIDE OF DOOR OPENING WITH 3/8"x4" 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" ON 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.	9" O.C.	9" O.C.
11' - 15'	18" O.C.	4" O.C.	4" O.C.
16' - 18'	16" O.C.	3" O.C.	3" O.C.

ALL STUDS TO BE 2x4 SYP NAILED TO TOP 3/8" ROD NAILED TO STUDS WITH 2-16d NAILS

CONTINUOUS FRAME TO CEILING DIAPHRAGM DETAIL

SCALE: N.T.S.

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 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 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 4x8x8 EACH END, 2x8 RAFTERS 7x8x8 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 PROVIDES 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 A188, 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.

REBAR: ASTM A 615, GRADE 60, DEFORMED BARS, F_y = 60 KSI, ALL LAP SPICES 48" (30" FOR 60 KSI, 60" FOR 80 KSI). UNO, ALL REINFORCEMENT SHALL BE DETAILD AND PLACED IN ACCORDANCE WITH ACI 315-96, U.N.O.

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: 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 CONCRETE BEAM OR 10" IN GROUTED CMU.

WASHERS: WASHERS USED WITH 1/2" BOLTS TO BE 2" x 2", 9/8"; WITH 5/8" BOLTS TO BE 3" x 3", 9/8"; WITH 3/4" BOLTS TO BE 3" x 3", 9/8"; 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 OMMITS 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.

EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

(1) 2x4 @ 16" OC	TO 1 11'-9" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 1 13'-0" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 1 18'-10" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 2 20'-0" STUD HEIGHT

THIS STUD HEIGHT TABLE IS PER FBCR 2004, TABLE 3-20B. EXTERIOR WALL BEARING & NON-BEARING STUD LENGTHS RESISTING INTERIOR ZONE WIND LOADS 110 MPH EXPOSURE B. STUD SPACINGS SHALL BE MULTIPLIED BY 1.585 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADS. EXAMPLE 16" O.C. x 0.85 = 13.6" O.C.

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	H ₁ SA	3-8d	3-8d	
< 455	< 265	H ₁ S	4-8d	4-8d	
< 360	< 235	H ₁ H	4-8d	4-8d	
< 455	< 320	H ₁ H3	4-8d	4-8d	
< 415	< 365	H ₁ H2.5A	5-8d	5-8d	
< 800	< 535	H ₁ H2.5A	5-8d	5-8d	
< 950	< 820	H ₁ H	8-8d	8-8d	
< 745	< 565	H ₁ H	5-10d, 1 1/2"	5-10d, 1 1/2"	
< 1465	< 1050	H ₁ H14-1	13-8d	12-8d, 1 1/2"	
< 1465	< 1050	H ₁ H14-2	15-8d	12-8d, 1 1/2"	
< 990	< 850	H ₁ H10-1	8-8d, 1 1/2"	8-8d, 1 1/2"	
< 760	< 655	H ₁ H10-2	6-10d	6-10d	
< 1470	< 1265	H ₁ H16-1	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1470	< 1265	H ₁ H16-2	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1000	< 860	M ₁ HTS24C	7-10d 1 1/2"	7-10d 1 1/2"	
< 1450	< 1245	H ₁ HTS24	12-10d 1 1/2"	12-10d 1 1/2"	
< 2900	< 2490	2" L ₁ HTS24			
< 2050	< 1785	L ₁ LG12	14-16d	14-16d	

HEAVY GIRDER TIEDOWNS*

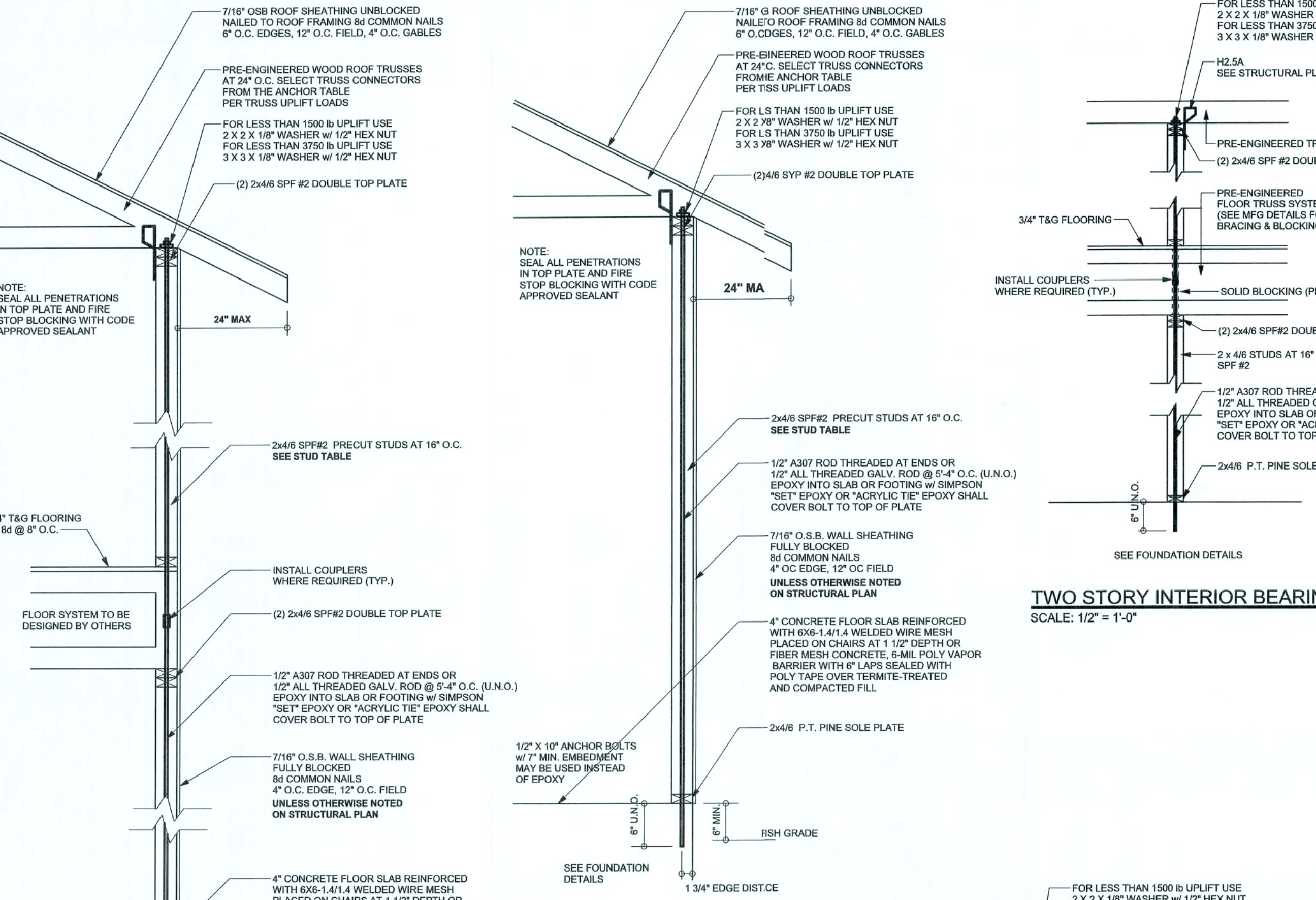
< 3965	< 3330	M ₁ MGT	22 -10d
< 10980	< 6485	H ₁ HGT-2	16 -10d
< 10530	< 9035	H ₁ HGT-3	16 -10d
< 9250	< 9250	H ₁ HGT-4	16 -10d

STUD STRAP CONNECTOR*

< 435	< 435	SSP DOUBLE TOP PLATE	3-10d
< 455	< 420	SSP SINGLE SILL PLATE	1-10d
< 825	< 825	DSP DOUBLE TOP PLATE	6-10d
< 825	< 800	DSP SINGLE SILL PLATE	2-10d
< 885	< 780	S ₁ SP4	
< 1240	< 1065	S ₁ SPH4	
< 885	< 780	S ₁ SP6	
< 1240	< 1065	S ₁ SPH6	
< 1235	< 1165	L ₁ STA18	14-10d
< 1235	< 1235	L ₁ STA21	16-10d
< 1030	< 1030	C ₁ CS20	18-8d

STUD ANCHORS*

UPLIFT LBS. SYP		ANCHORS*	TO STUDS
< 1350	< 1305	L ₁ LT119	1-16d
< 2310	< 2310	L ₁ LT131	18-10d, 1 1/2"
< 2775	< 2570	H ₁ HD2A	2-5/8" BOLTS
< 4175	< 3695	H ₁ HT16	18 - 16d
< 1400	< 1400	PA ₁ MD42	16-16d
< 3335	< 3335	HP ₁ MD22	16-16d
< 2200	< 2200	A ₁ ABU44	12-16d
< 2300	< 2300	A ₁ ABU66	12-16d
< 2320	< 2320	A ₁ ABU88	18 - 16d



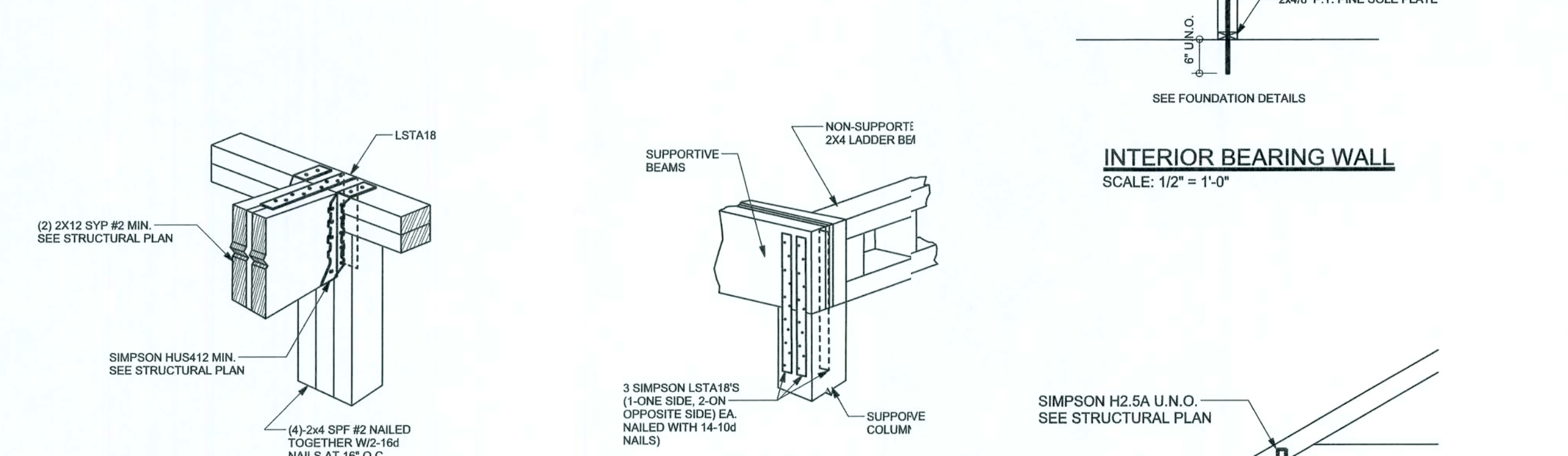
ONE STORY WALL SECTION

SCALE: 3/4"=1'-0"



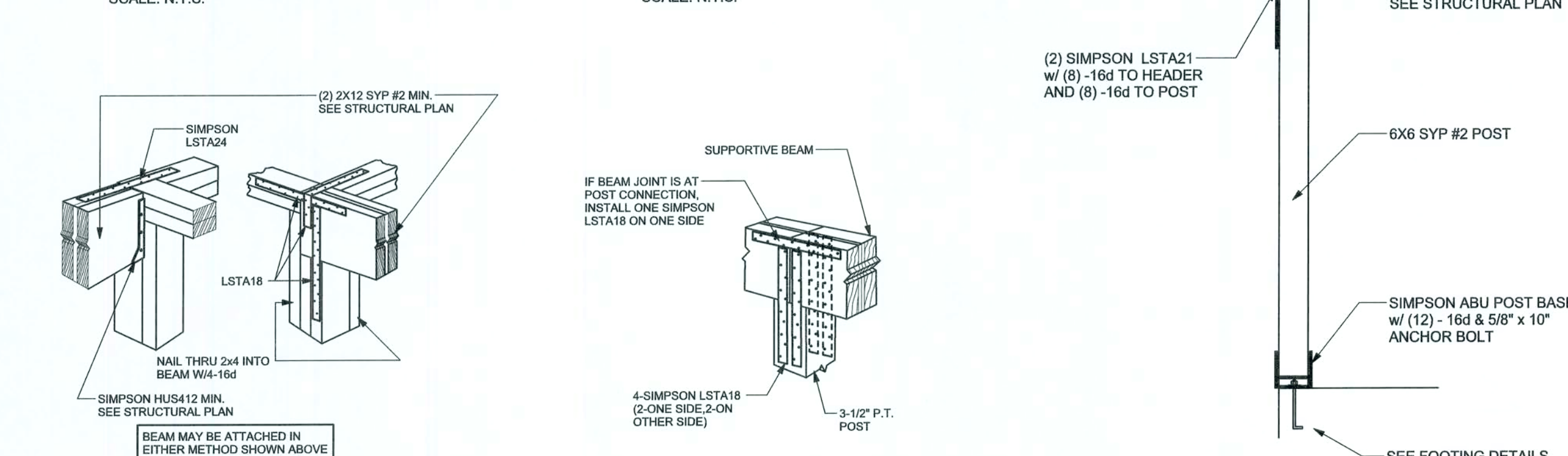
TWO STORY WALL SECTION

SCALE: 3/4"=1'-0"



BEAM MID-WALL CONNECTION DETAIL

SCALE: N.T.S.



BEAM CORNER CONNECTION DETAIL

SCALE: N.T.S.

SUPPORTIVE CENTER POST TO EAM DETAIL

SCALE: N.T.S.

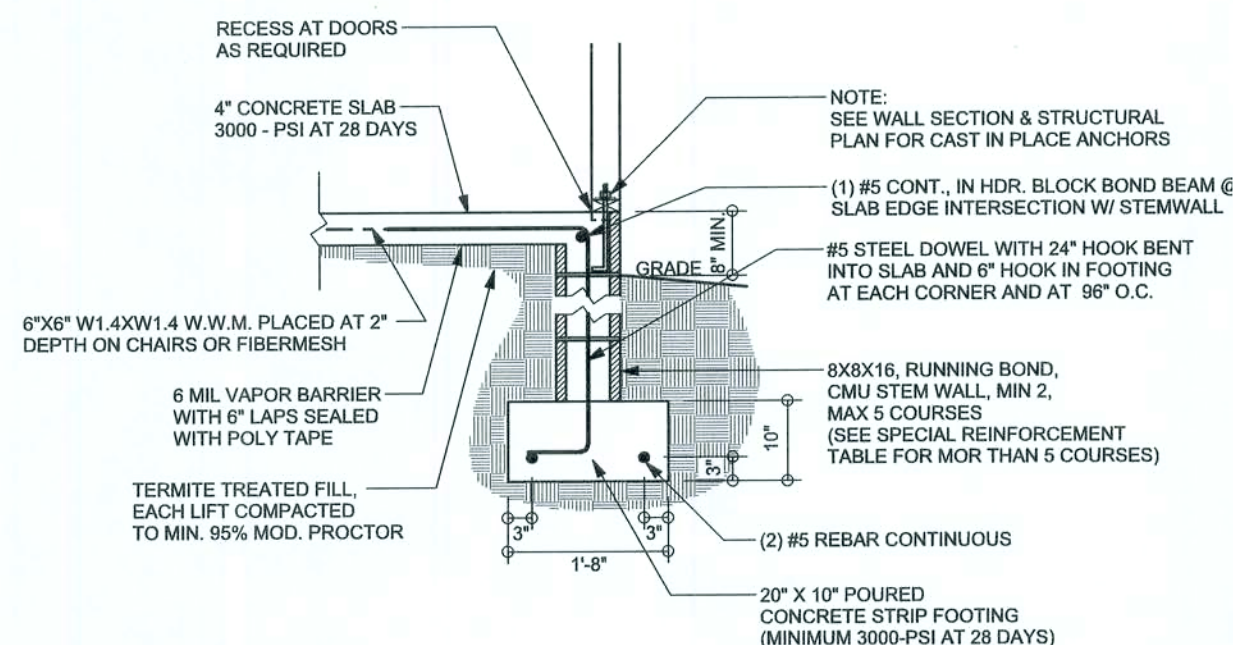


4X4 / 6X6 PORCH POST DETAIL

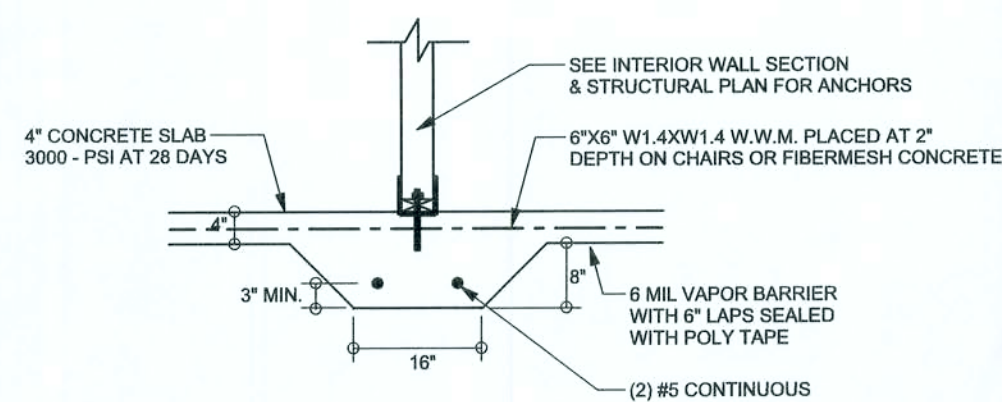
SCALE: 1/2"=1'-0"

REVISIONS

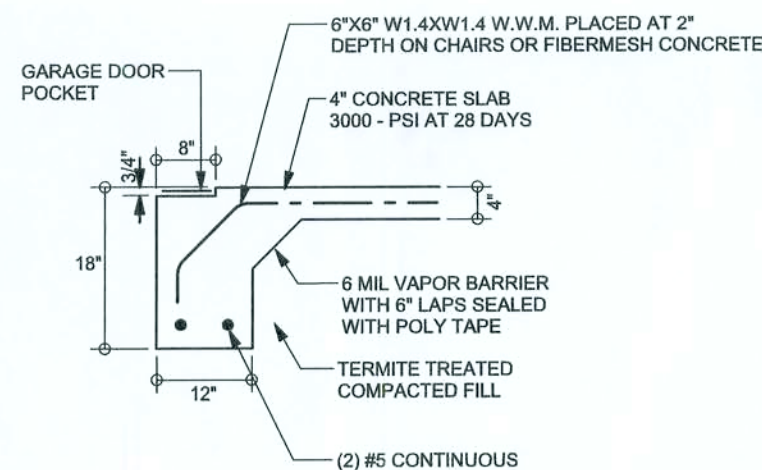
SCFPLAN
ARCHITECTURAL DESIGN SOFTWARE



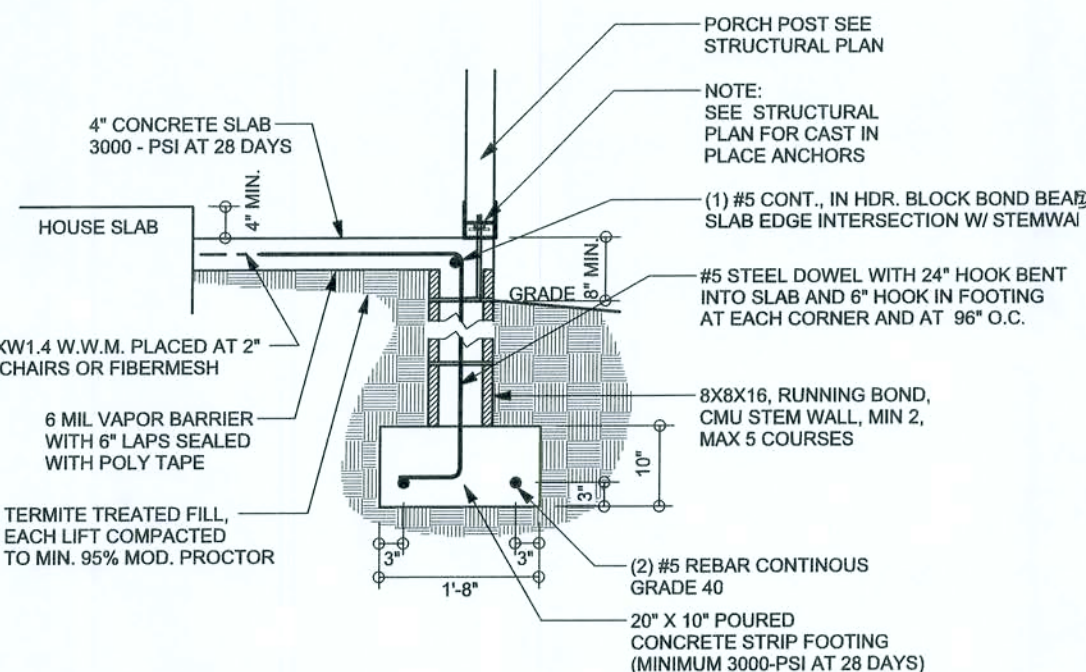
F9 S-2 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



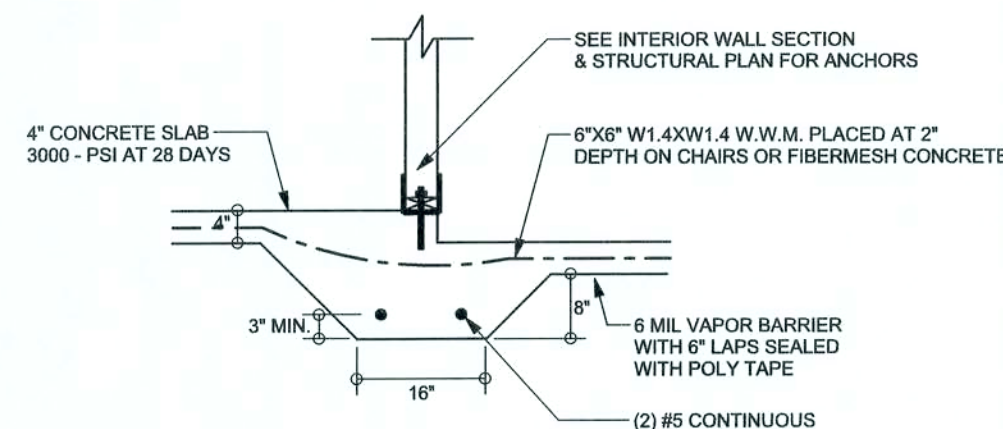
F2 S-2 INTERIOR BEARING FOOTING
SCALE: 1/2" = 1'-0"



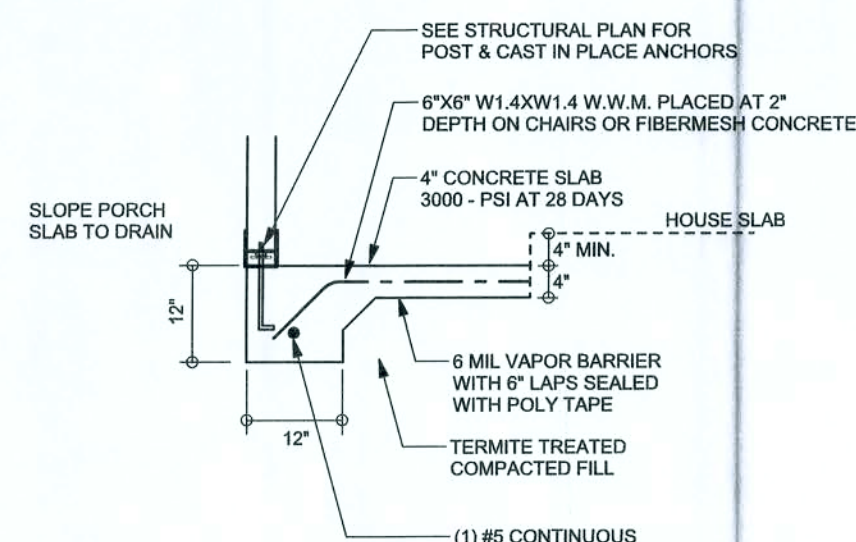
F4 S-2 GARAGE DOOR FOOTING
SCALE: 1/2" = 1'-0"



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

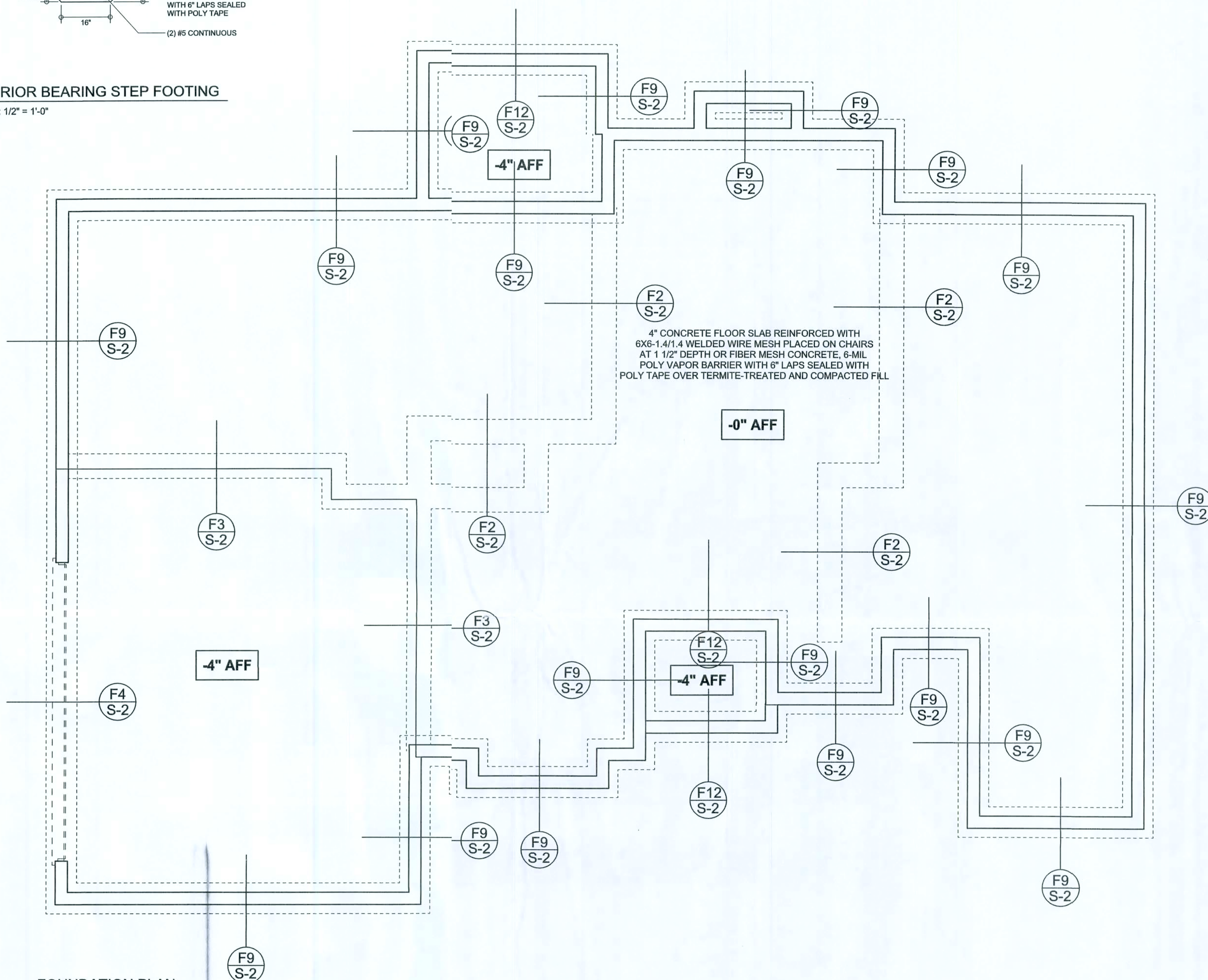


F3 S-2 INTERIOR BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"



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

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



TALL STEM WALL TABLE

The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 1W5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEM WALL HEIGHT (FEET)	UNBALANCED 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

WINDLOAD ENGINEER: Mark Disosway, P.E. No. 53915, PWS 868, Lake City, FL 32056, 386-754418

DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disosway, 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 0904, to the best of my knowledge.

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

MARK DISOSWAY
P.E. 53915

SEAL

Janes & Erica
Cook

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The Cove S/D
Columbia County, Florida

MarkDisosway P.E.
P.O. Box 868
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Fax: (386) 269 - 4871

PRINTED DATE:
January 29, 2008

DRAWN BY:

STRUCTURAL BY:
Ben Sparks

FINALS DATE:
29 / Jan / 08

JOB NUMBER:
801071

DRAWING NUMBER

S2

#F 6 SHEETS

REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 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-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

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

1ST FLOOR TOTAL SHEAR WALL

	TRANSVERSE	LONGITUDINAL
ACTUAL	62.0'	46.5'
REQUIRED	28.5'	16.0'

WINDLOAD ENGINEER: Mark Disosway,
P.E. No. 33916, P.O. Box 868, Lake City, FL
32066, 386-754-5419

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

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CERTIFICATION: I hereby certify that I have examined this plan, and the applicable portions of the plan, relating to wind engineering comply with section R301.2, Florida building code residential 2004, to the best of my knowledge.

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

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P.E. 33916
29 JAN 08
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PRINTED DATE:
January 29, 2008
DRAWN BY: STRUCTURAL BY:
Ben Sparks

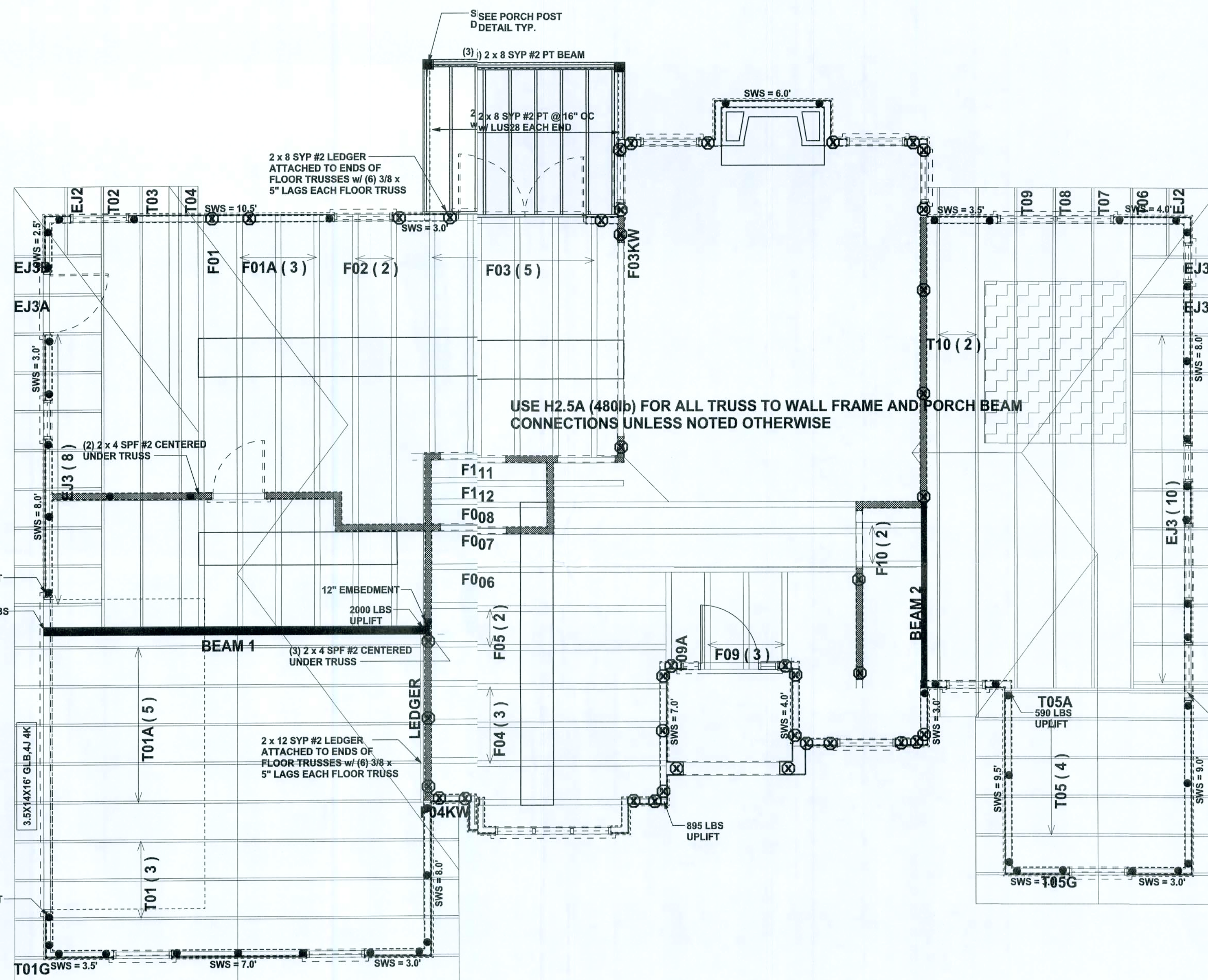
FINALS DATE:
29 / Jan / 08

JOB NUMBER:
801071

DRAWING NUMBER

S3

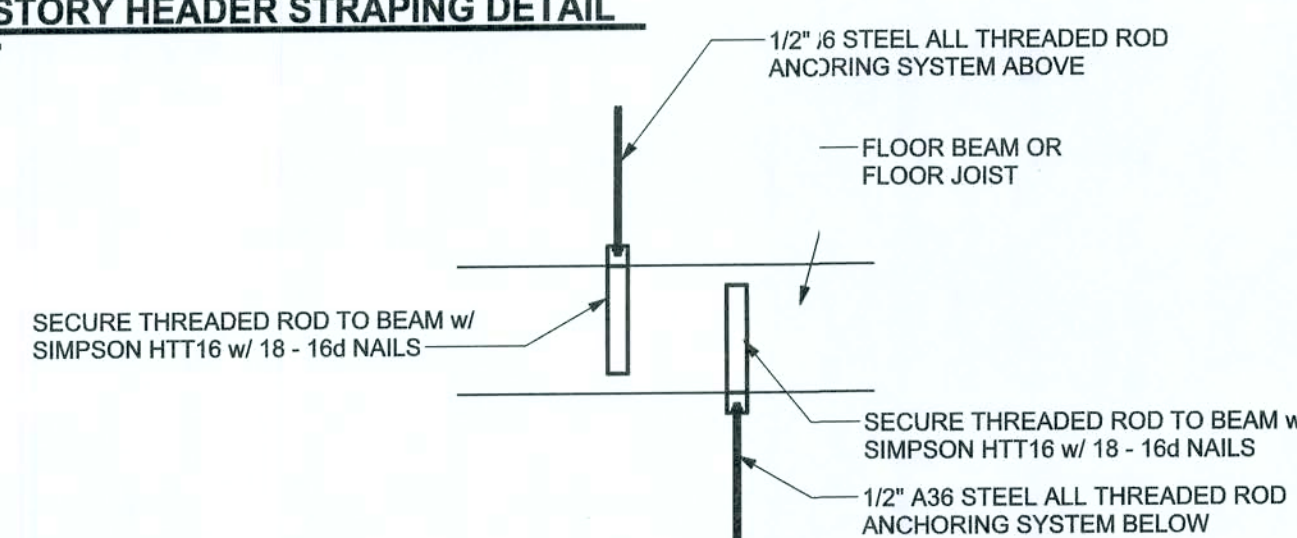
OF 6 SHEETS



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

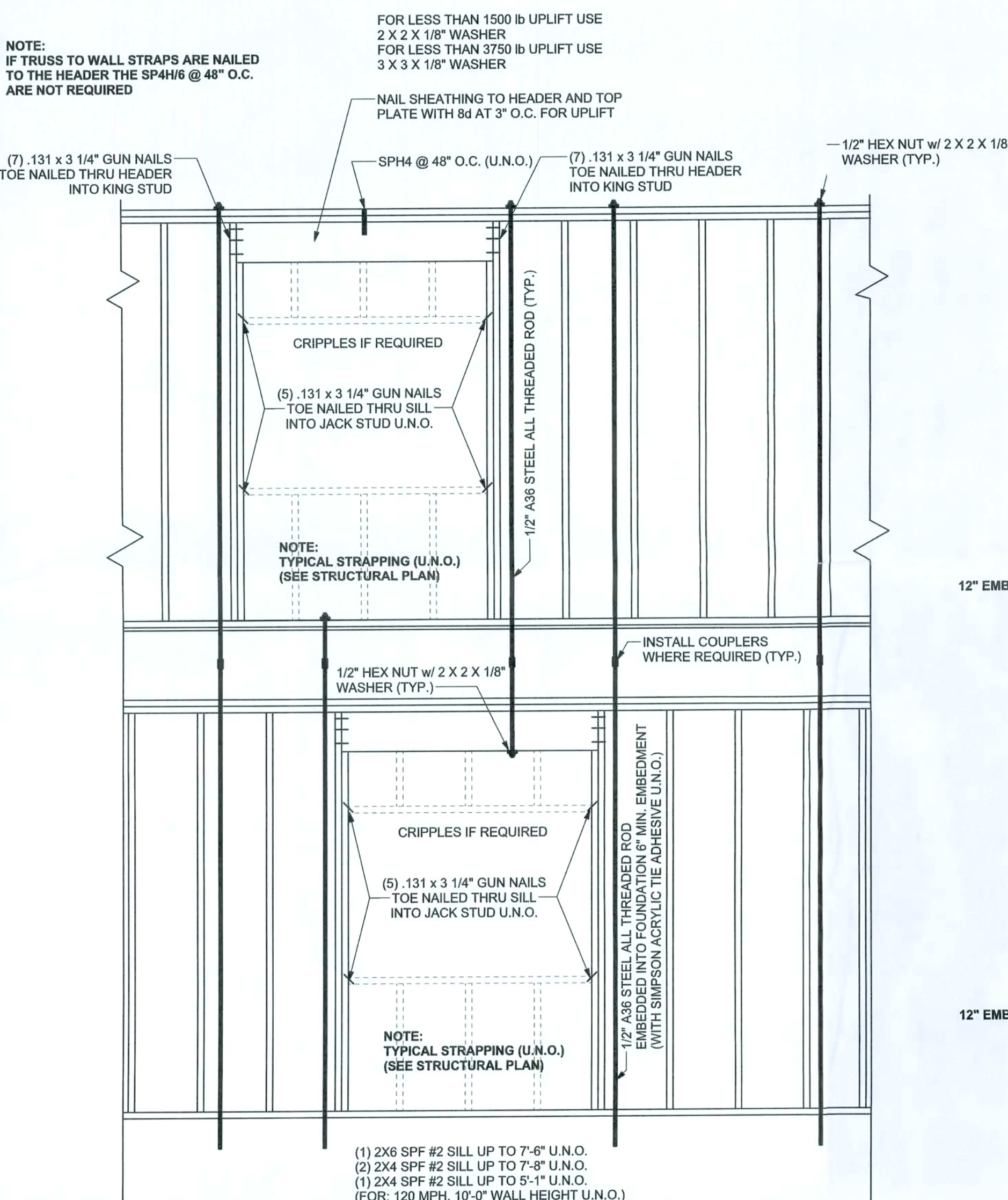
TYPICAL 2 STORY HEADER STRAPING DETAIL

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



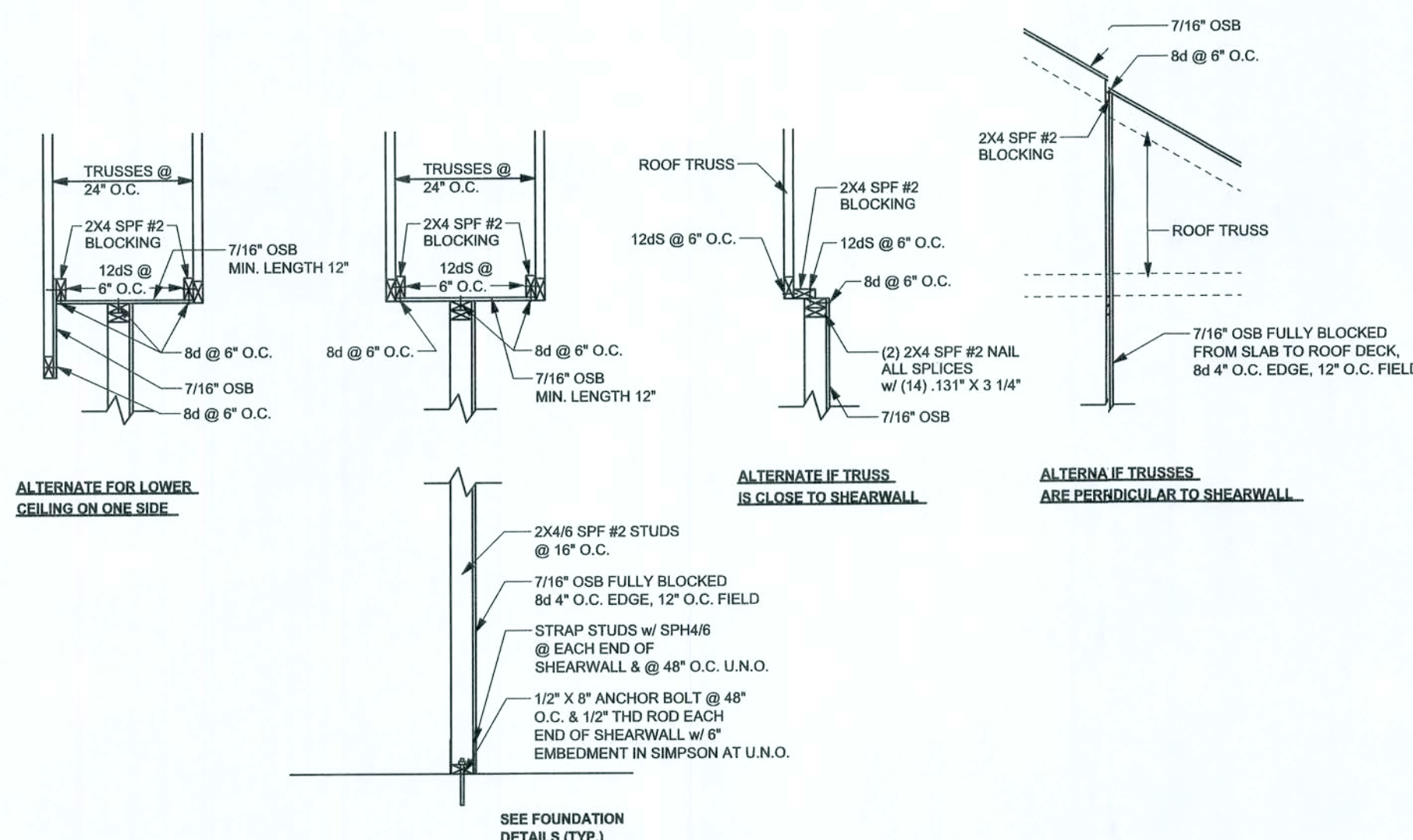
OPTIONAL THREADED OD TO FLOOR BEAM OR FLOOR JOIST

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

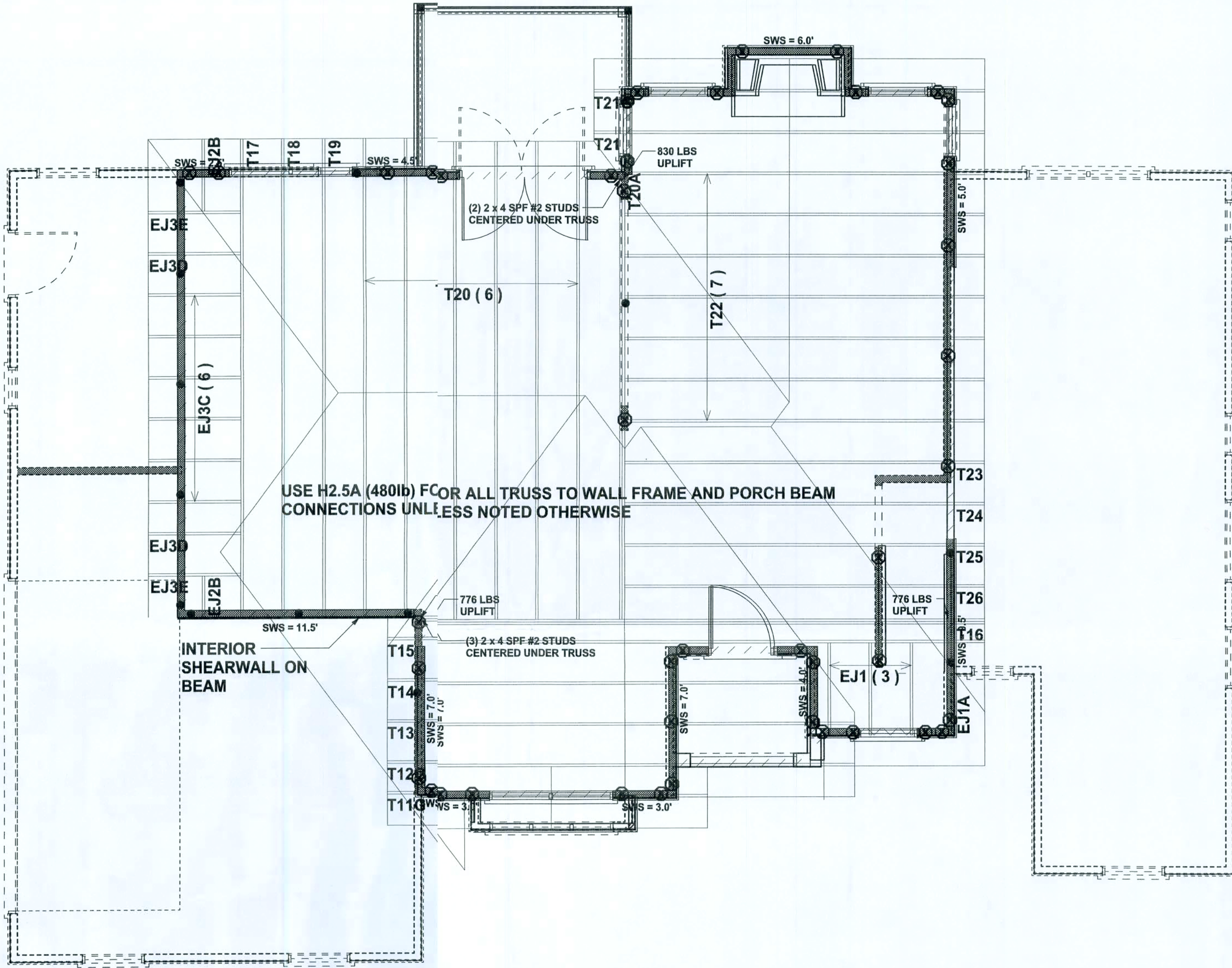


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INTERIOR SHEAR WALL DETAIL
SCALE: 1/2" = 1'-0"



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

STRUCTURAL PLAN NOTES

- SN- ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 SYP#2 (U.N.O.)
- SN- ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)
- SN- DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN- 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

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

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', 1' 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 PILES IN HEADER

2ND FLOOR TOTAL SHEAR WALL

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	TRANSVERSE	LONGITUDINAL
ACTUAL	32.5'	30.5'
REQUIRED	12.0'	17.0'

WINDLOAD ENGINEER: Mark Disoway,
PE No. 53915, P.O.B. 888, Lake City, FL
32056, 386-754-5419

DIMENSIONS:
Stated dimensions supercede scaled
dimensions. Refer all questions to
Mark Disoway, P.E. for resolution.
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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 R302.1, 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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PRINTED DATE:
January 21, 2008

DRAWN BY: STRUCTURAL BY:
Ben Sparks

FINALS DATE:
29 / Jan / 08

JOB NUMBER:
801071

DRAWING NUMBER
S4
OF 6 SHEETS

CONNECTIONS, WALL, & HEADER DESIGN IS BASED
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING
FURNISHED BY BUILDER.
BUILDER FIRST SOURCE JOB # L265361