

REVISIONS	
2013-08-28 revised per new truss layout	1

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

Permit #
31455

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 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, 2010 Florida Building Code Residential to the best of my knowledge.

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

Erking Construction Group

Aaron & Jennifer Williamson Residence

ADDRESS:
23-55-15-00466-000
LAKE CITY, FL 32024
Columbia County, Florida

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P.O. Box 868
Lake City, Florida 32056
Phone: (386) 754 - 5419
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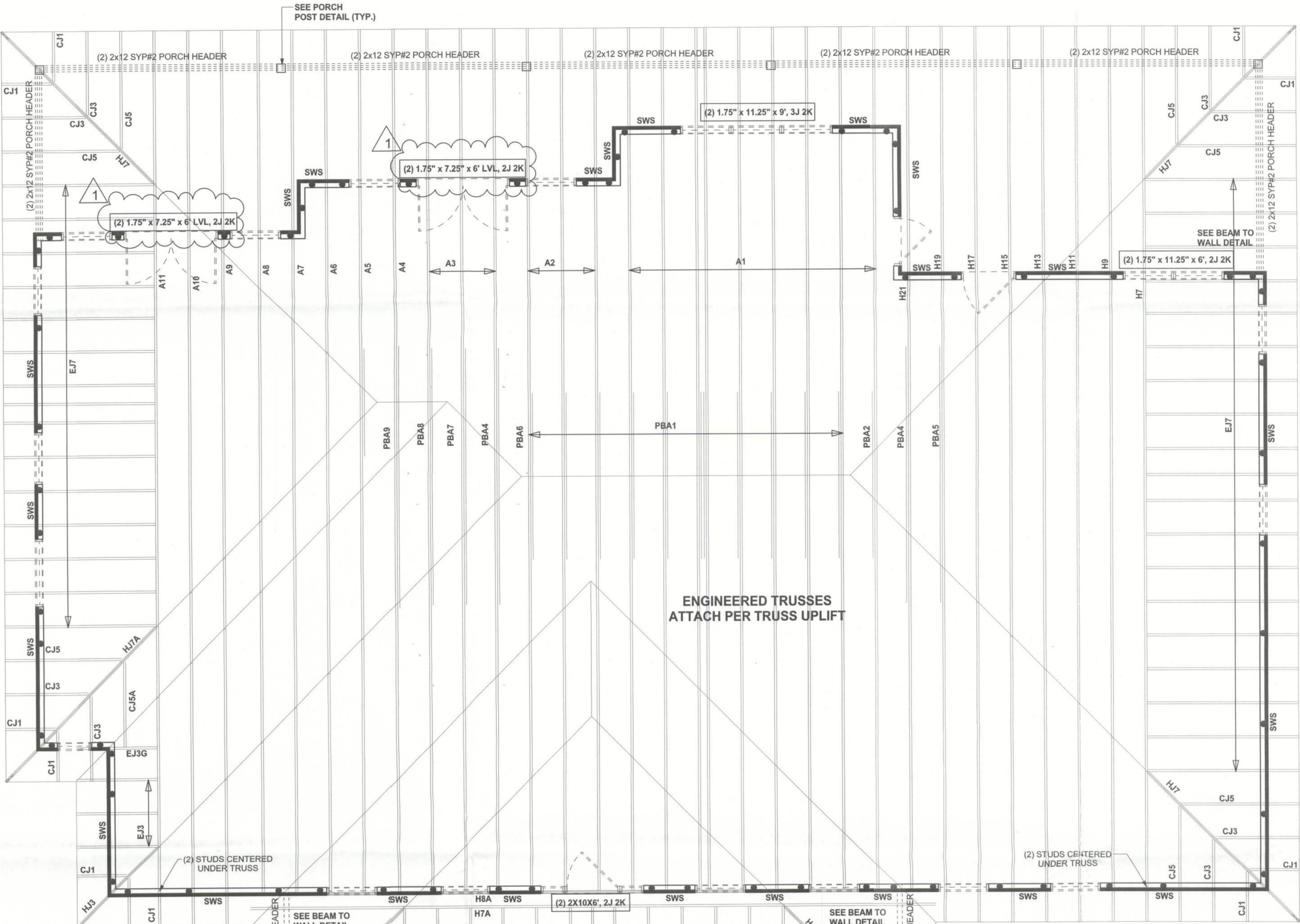
PRINTED DATE:
Tuesday, November 12, 2013

DRAWN BY: STRUCTURAL BY:
Evan Beasley

FINALS DATE:
2013-08-09

JOB NUMBER:
1307015

DRAWING NUMBER
S-3
OF 3 SHEETS



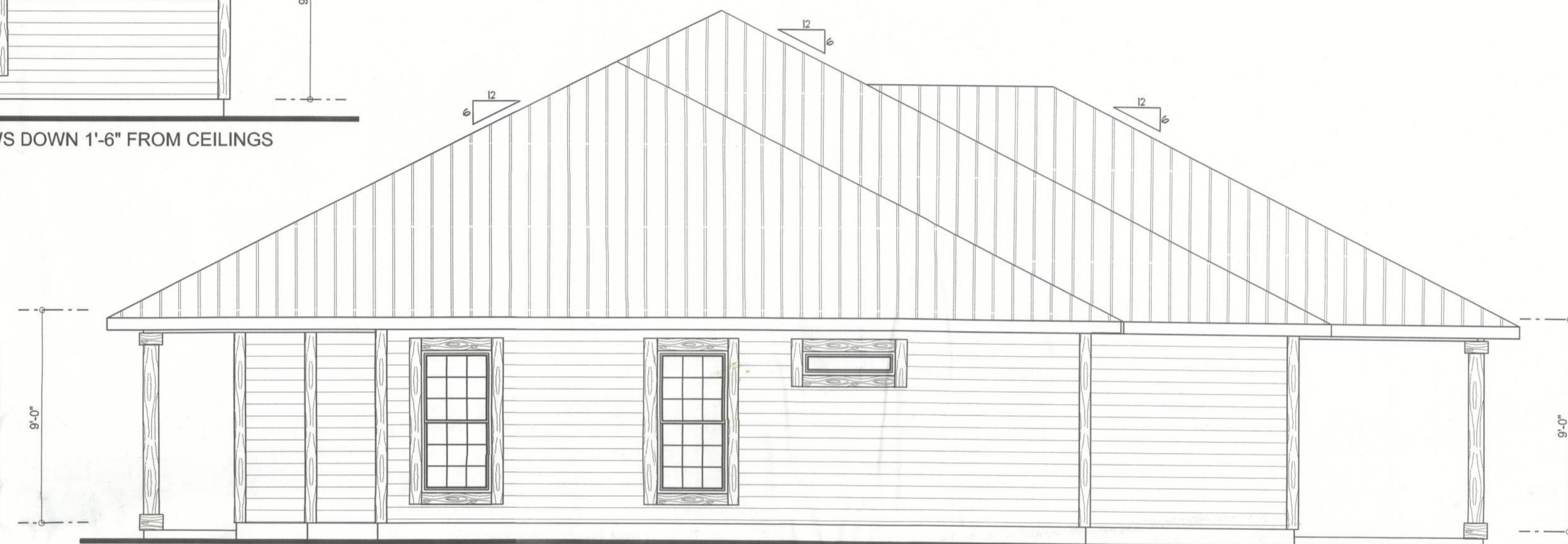
REVISIONS

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FRONT VIEW

NOTE: HOLD ALL WINDOWS DOWN 1'-6" FROM CEILINGS



LEFT VIEW



REAR VIEW



RIGHT VIEW



REQUIRED ROOF VENTILATION:
AS PER FLORIDA BUILDING CODE 2309.7

RIDGE VENT
MIN. 50% TOTAL VENT AREA
LOCATED IN THE UPPER PORTION OF ATTIC (MIN. 3" ABOVE EAVE)
3855 S.F. / 300 x 50% = 6.5 S.F. RIDGE VENT AREA REQUIRED
60 FEET OF RIDGE VENT REQUIRED

SOFFIT VENT
3855 S.F. / 300 x 50% = 6.5 S.F. SOFFIT VENT AREA REQUIRED
217 FEET OF SOFFIT VENT REQUIRED

BUILDER MUST VERIFY THE FOLLOWING MINIMUM NET FREE VENT AREAS:

1. RIDGE VENTS = 16 IN2/FT (.11 FT2/FT)
2. OFF-RIDGE VENTS = .70 FT2 PER 4' UNIT
3. SOFFIT VENTS = 4.3 IN2/FT (.03 FT2/FT)

ERKINGER
Construction Group

AARON & JENNIFER
WILLIAMSON

ADDRESS: PROPERTY ID
23-55-15-00466-000
LAKE CITY, FL 32024
Columbia County, Florida

PRINTED DATE:
Friday, August 09, 2013

DRAWN BY: Matthew A. Erkinger
CHECKED BY: Evan Beamsley

DESIGNED BY:
Matthew A. Erkinger

FINALS DATE:
2013-08-09

MDPE JOB NUMBER:
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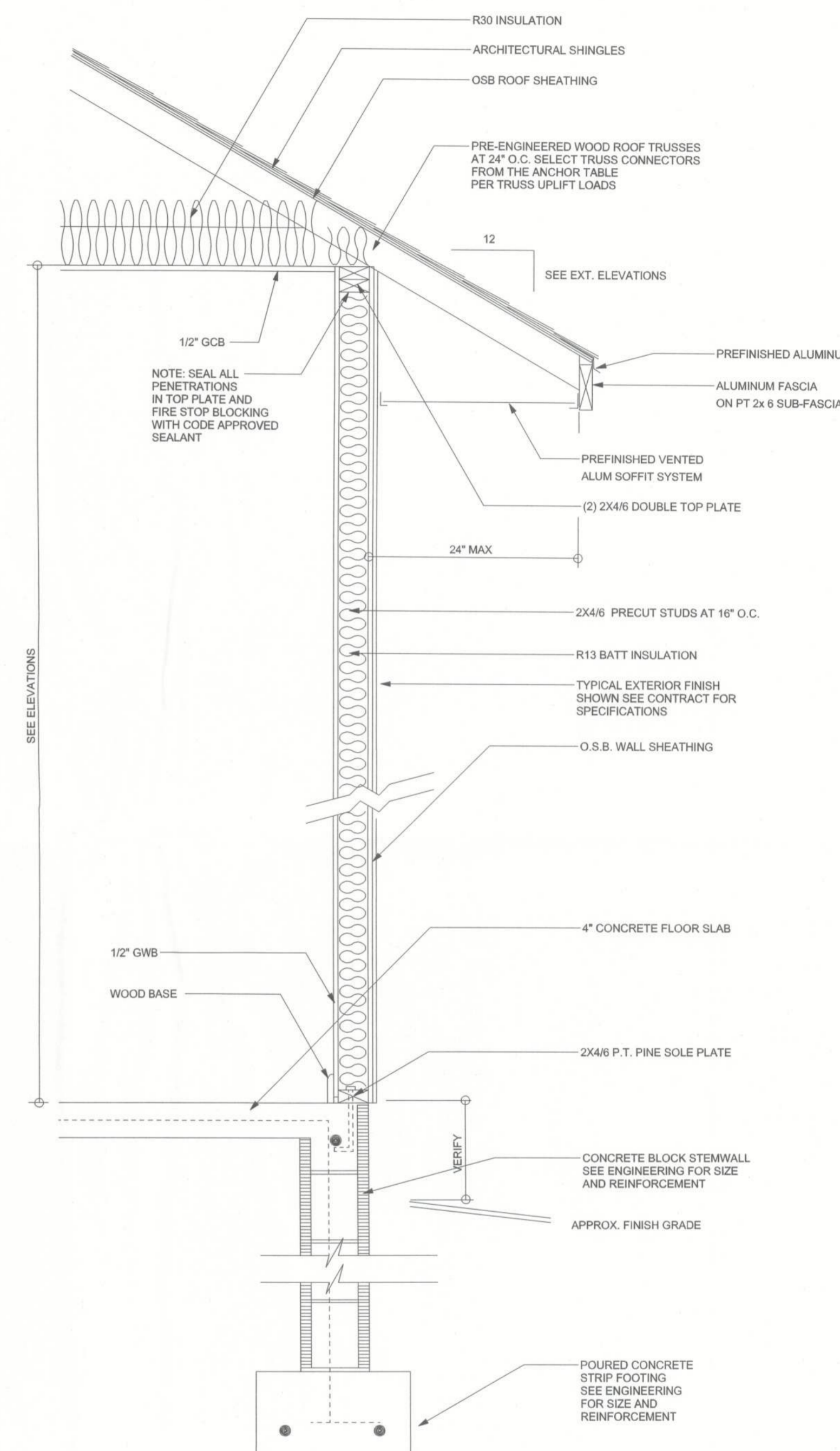
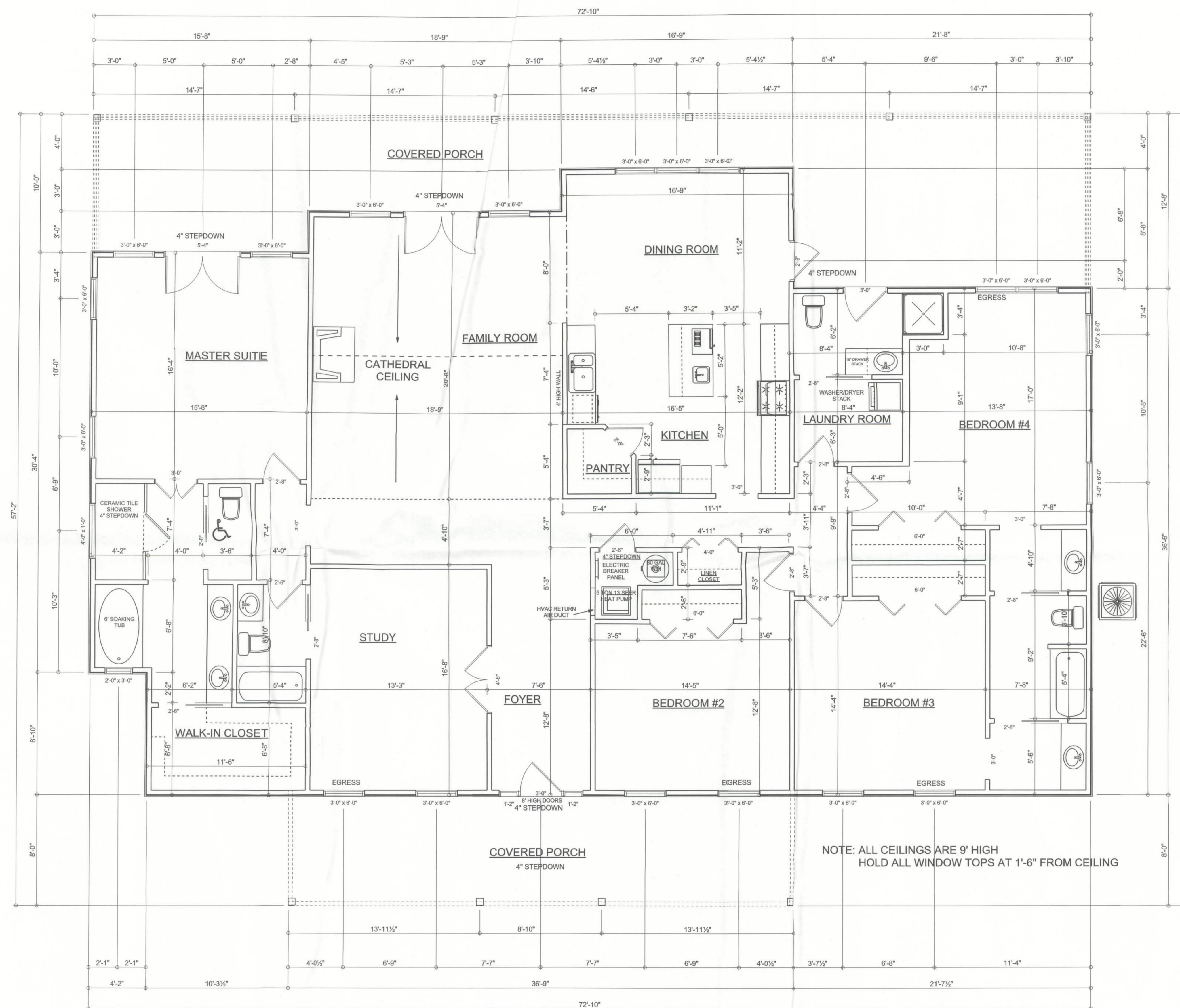
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A1

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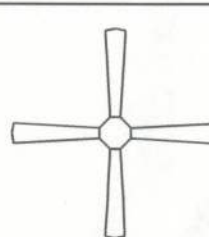

















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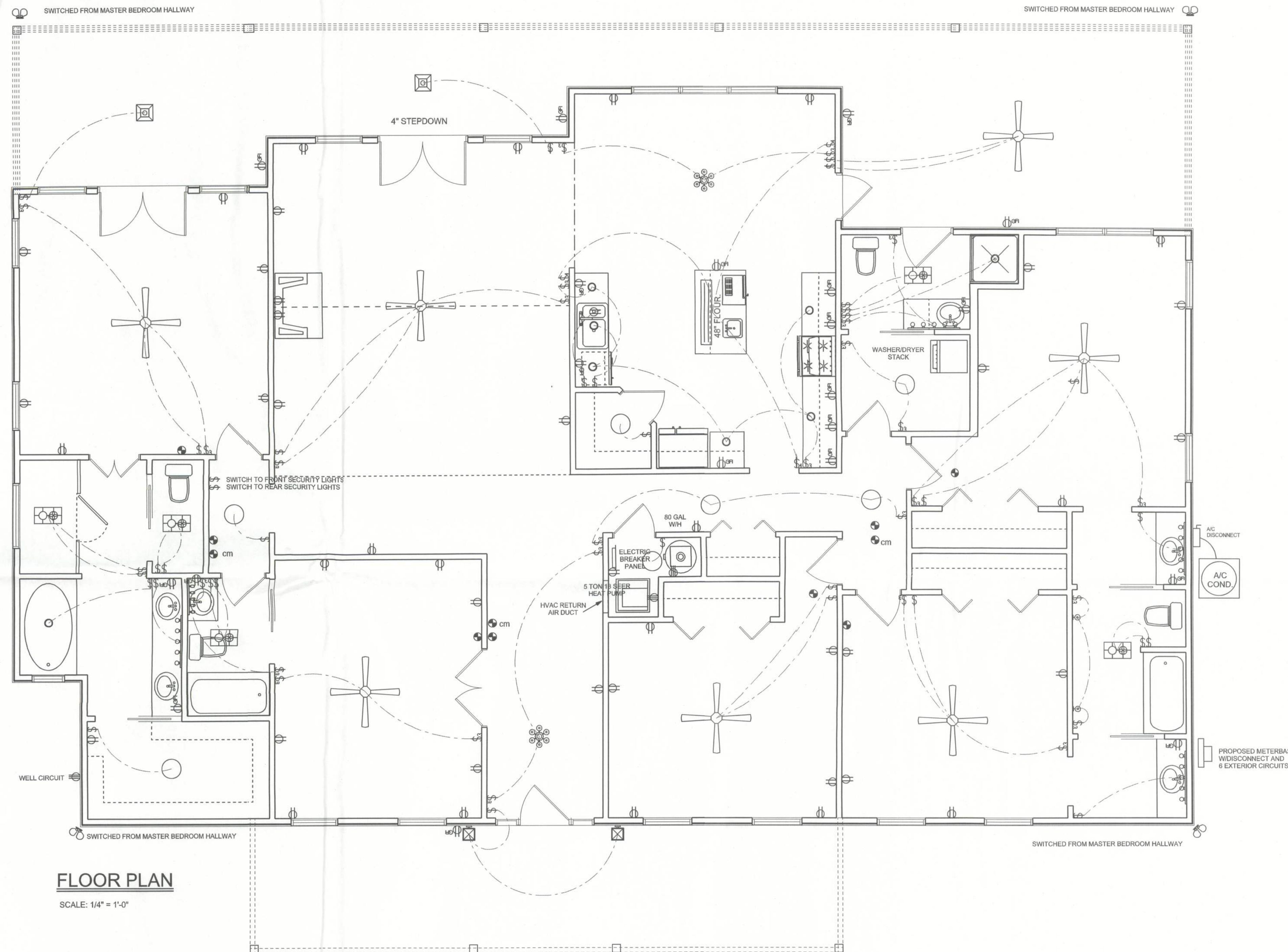
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ELECTRICAL PLAN NOTES

- 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 CONTR 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
- E -10 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 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	COUNT	SYMBOL
ceiling fan	7	
ceiling lamp globe	7	
ceiling shade square	2	
exterior light 3	2	
chandelier	2	
vanity bar light	5	
wall sconce	2	
AC Disconnect	1	
FLOURSCENT 2-48IN.	1	
Fan Light - bathroom	5	
Light - Can	8	
Light - Security	4	
outlet	44	
outlet 220v	3	
outlet gfi	20	
smoke detector	7	
switch	35	
switch 3 way	26	
switch 4 way	3	



FLOOR PLAN

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

ERKINGER
Construction Group

AARON & JENNIFER
WILLIAMSON

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Columbia County, Florida

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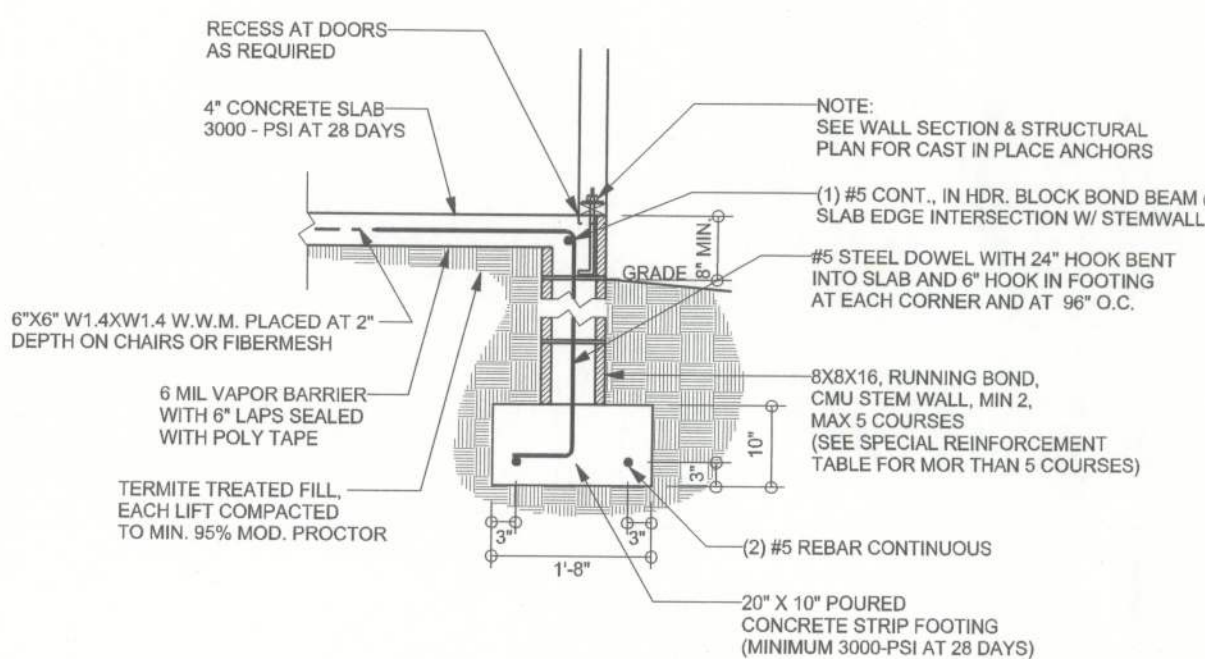
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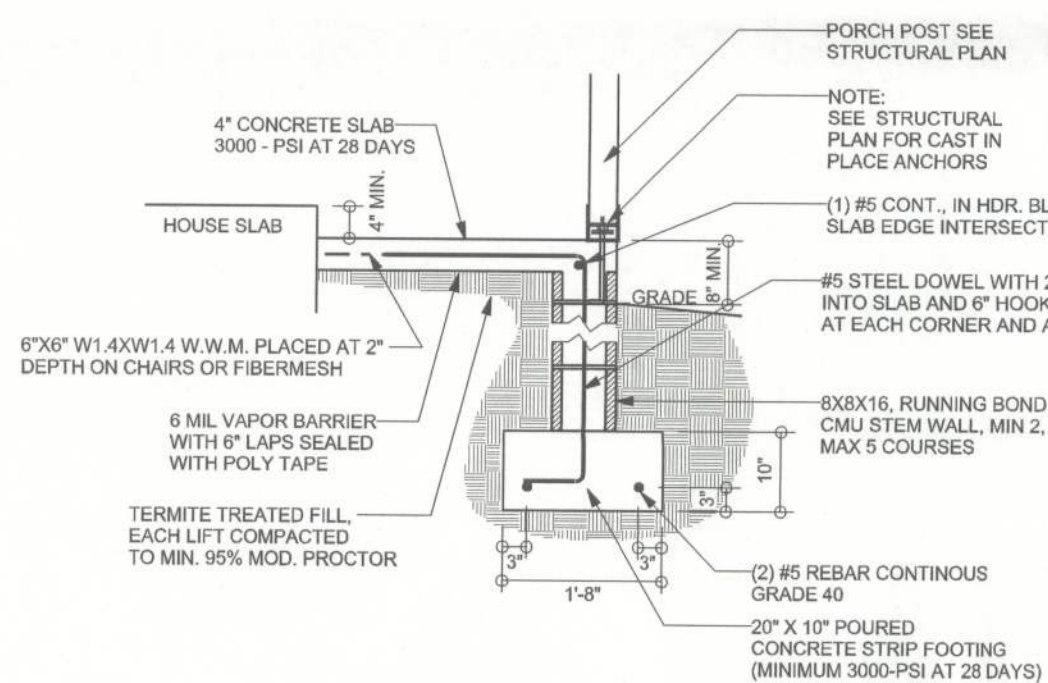
TALL STEM WALL TABLE

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 6' high, add Durowall ladder reinforcement at 16" O.C. vertically or a horizontal bond beam with 185 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

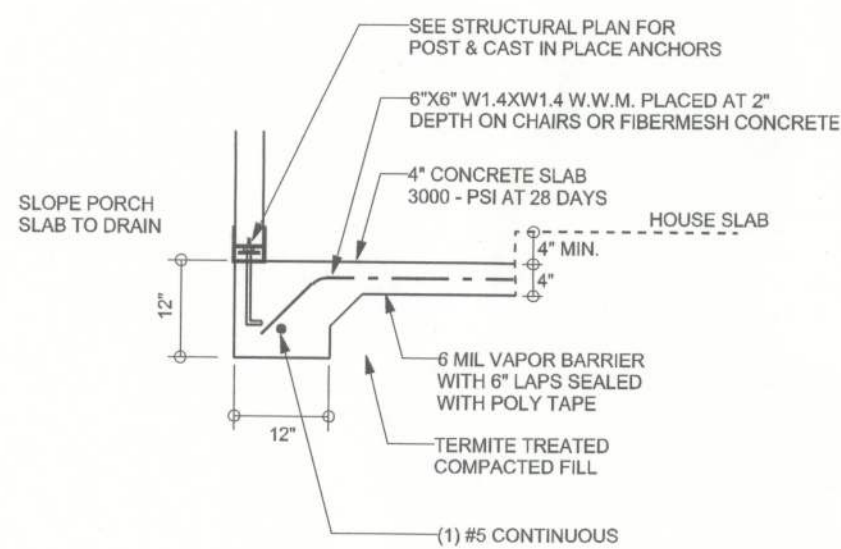
STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	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



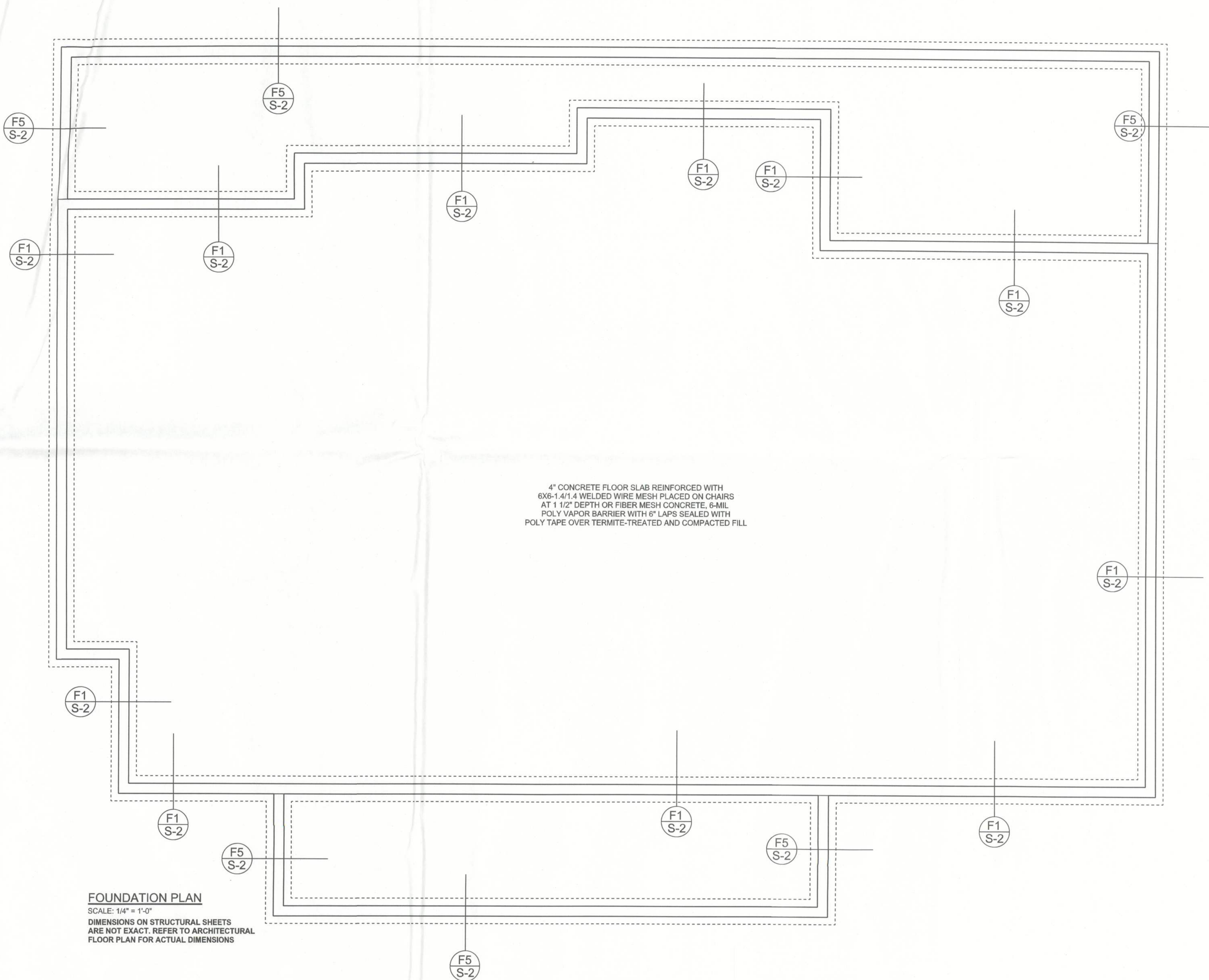
F1 S-2 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



F5 S-2 STEM WALL PORCH 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

REVISIONS

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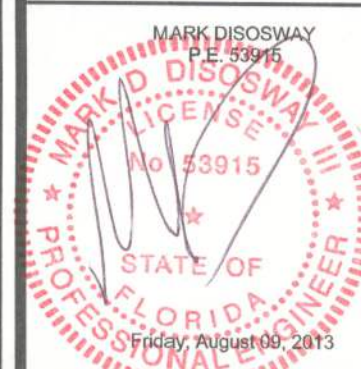
WINDLOAD ENGINEER: Mark Disoway,
PE No. 53815, P.O. Box 868, Lake City, FL
32066, 386-754-5419

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

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MARK DISOSWAY
P.E. 53915

Wednesday, August 28, 2013

Erkinger Construction Group

Aaron & Jennifer Williamson
Residence

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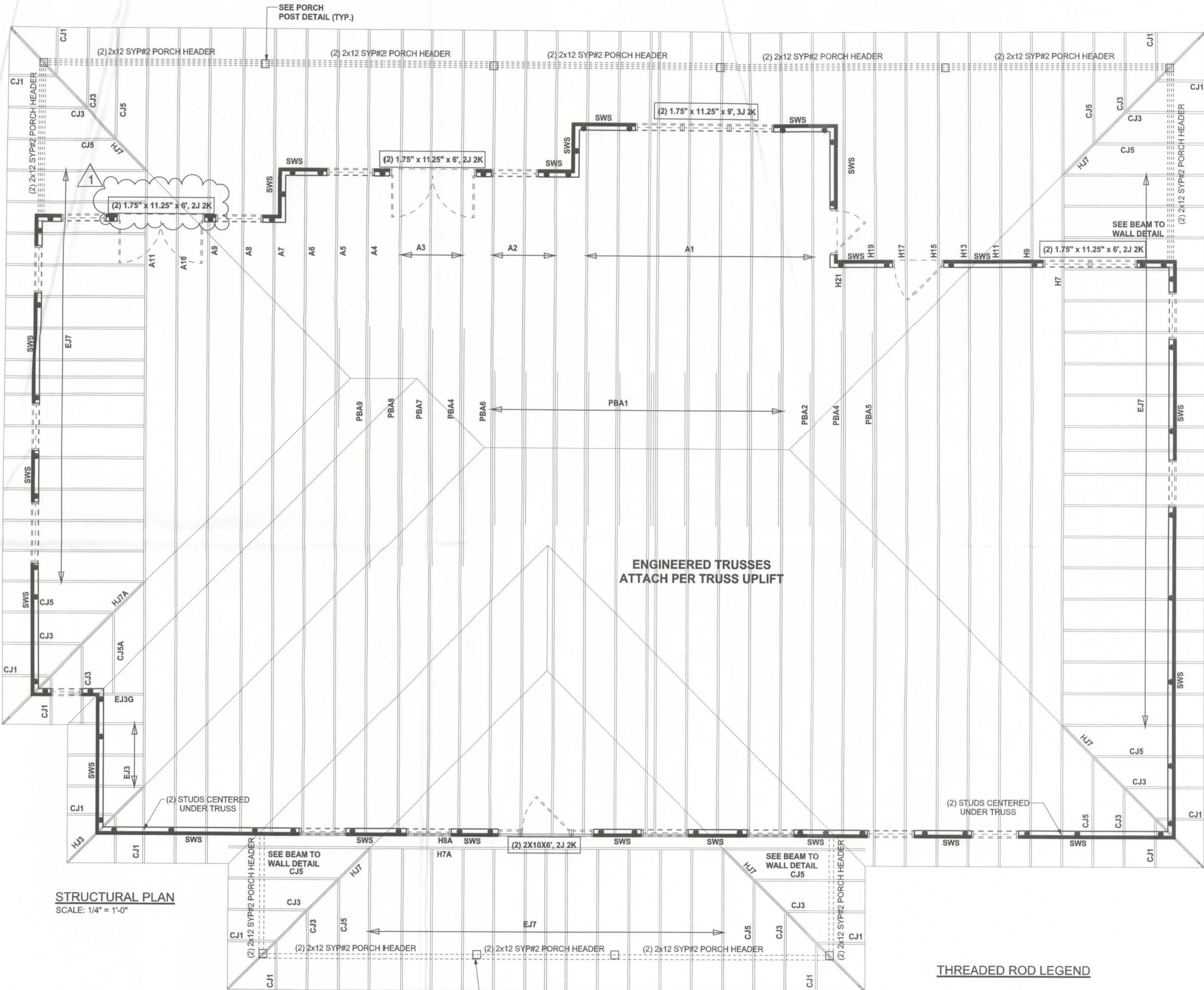
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STRUCTURAL BY: Euan Beamsley

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

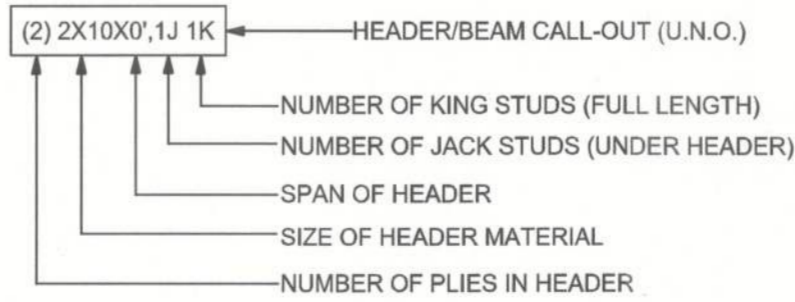
WALL LEGEND

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

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X8 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

HEADER LEGEND



THREADED ROD LEGEND

- INDICATES LOCATION OF: 1ST FLOOR 3/8" A307 ALL THREADED ROD
- INDICATES LOCATION OF: 2ND FLOOR 3/8" A307 ALL THREADED ROD

TOTAL SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	56.8'	67.3'
LONGITUDINAL	43.8'	69.3'

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER, ANDERSON TRUSS JOB #13-209A