

OF 1 SHEET

1

DRAWING NUMBER

140236

JOB NUMBER:

140236

7Apr14

FINAL DATE:

7Apr14

STRUCUTURAL BY:

Mark D. Dossoway

PRINTED DATE:

Monday, April 7, 2014

Fax: (386) 269 - 4871

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Lake City, Florida 32056

P.O. Box 868

Mark Dossoway P.E.

Seminole Terr. Lake City, FL

ADDRESS:

Farnell Residence

Professional Seal

Mark Dossoway

Professional Engineer

State of Florida

License No. 133915

Expiration Date 12/31/2016

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable provisions of the plan, relating to work engineering building code residential to the best of my knowledge.

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Do not proceed without consultation.

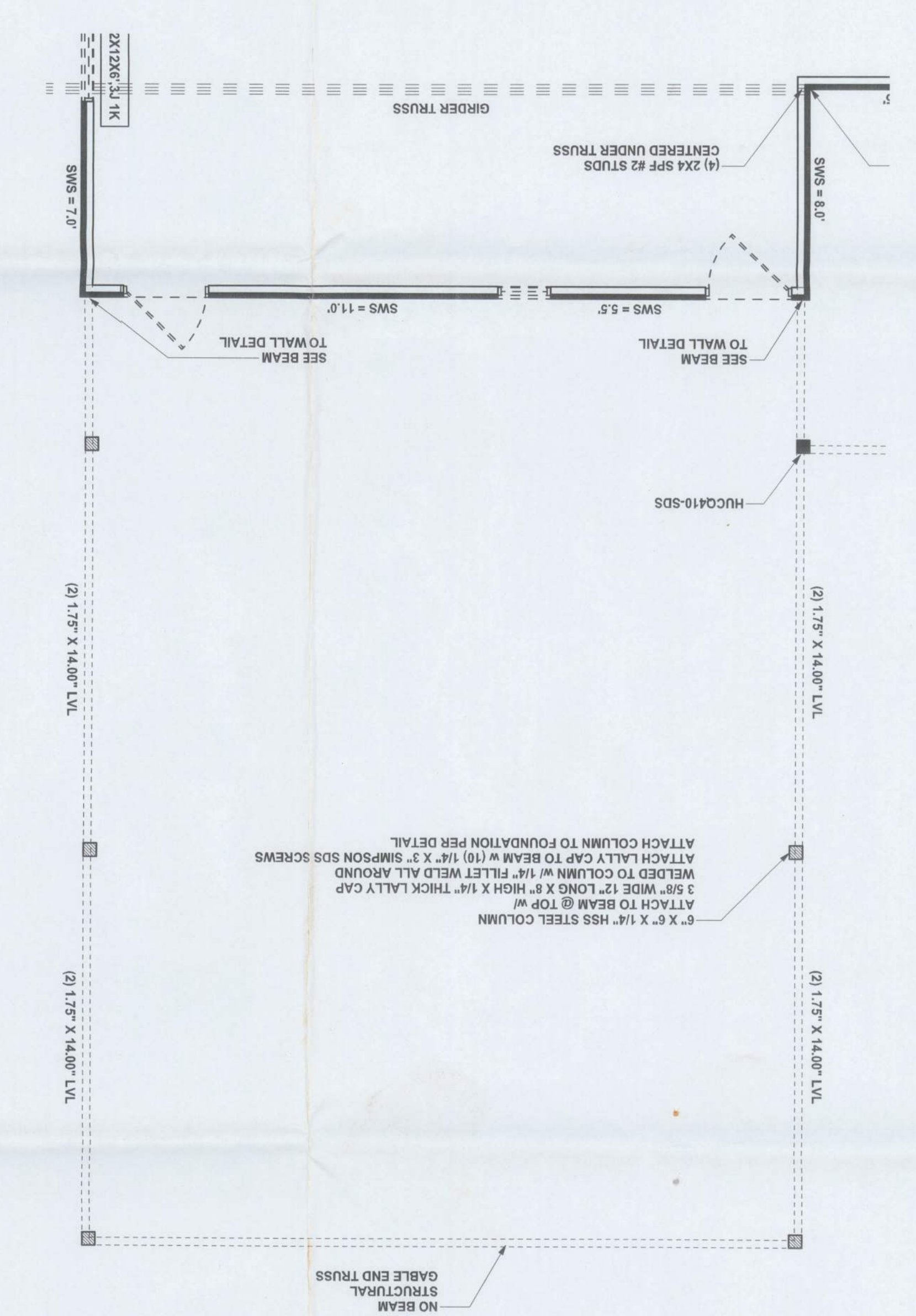
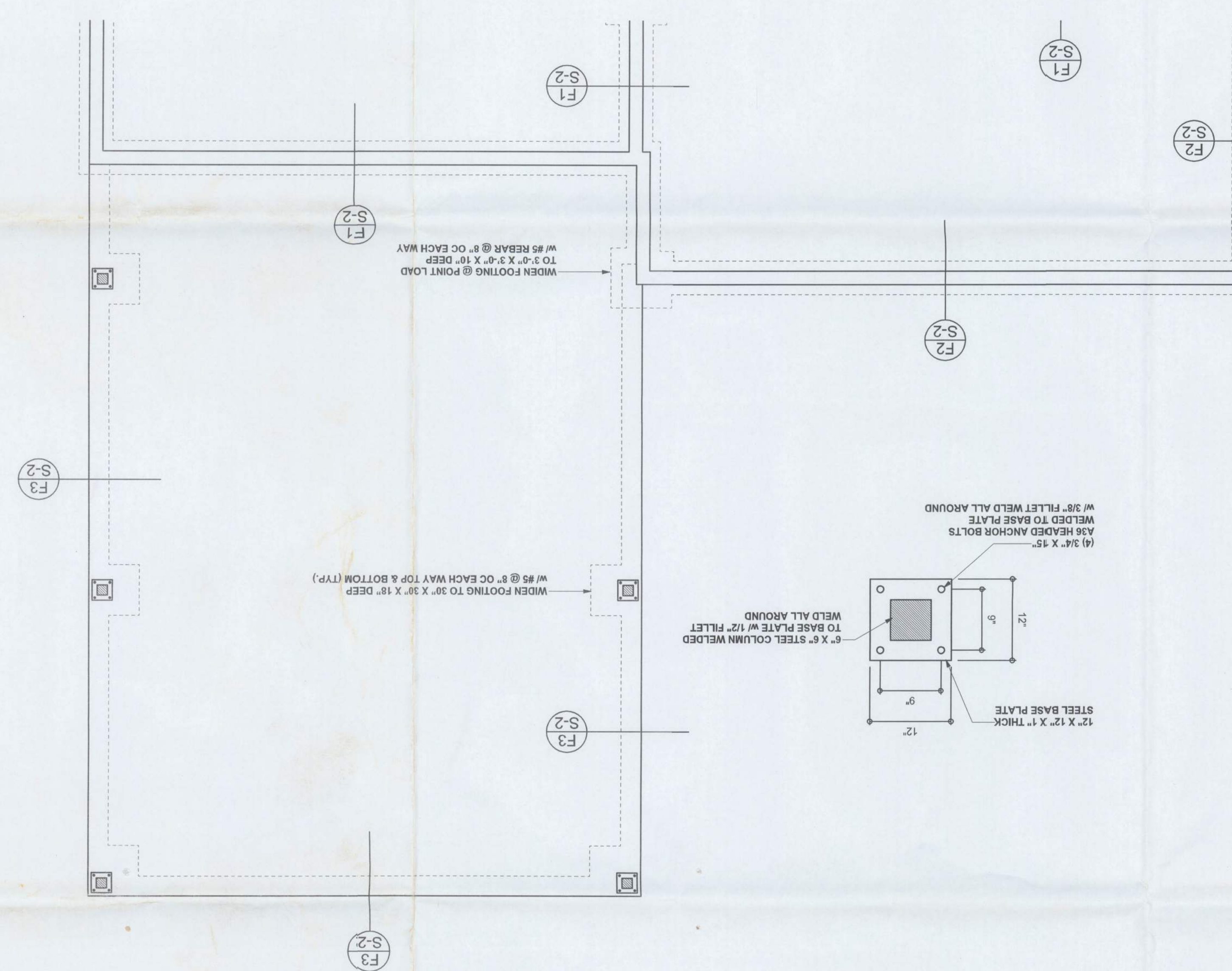
Mark Dossoway P.E. for resolution.

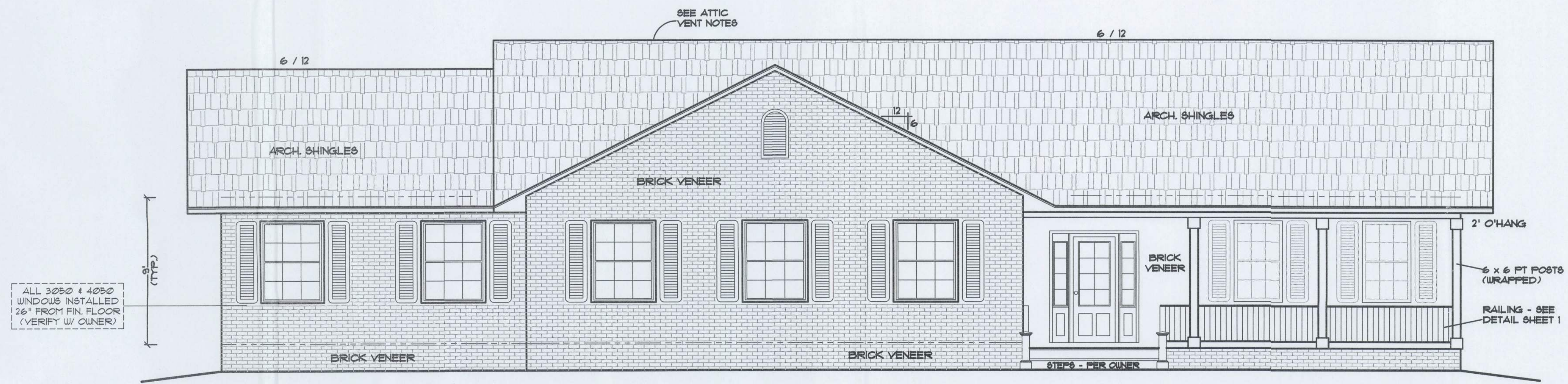
State dimensions supported scaled dimensions. Refer all questions to dimensions.

WIND LOAD ENGINEER: Mark Dossoway, P.E. IN 133915, P.O. Box 868, Lake City, FL 32056. 386-754-5419

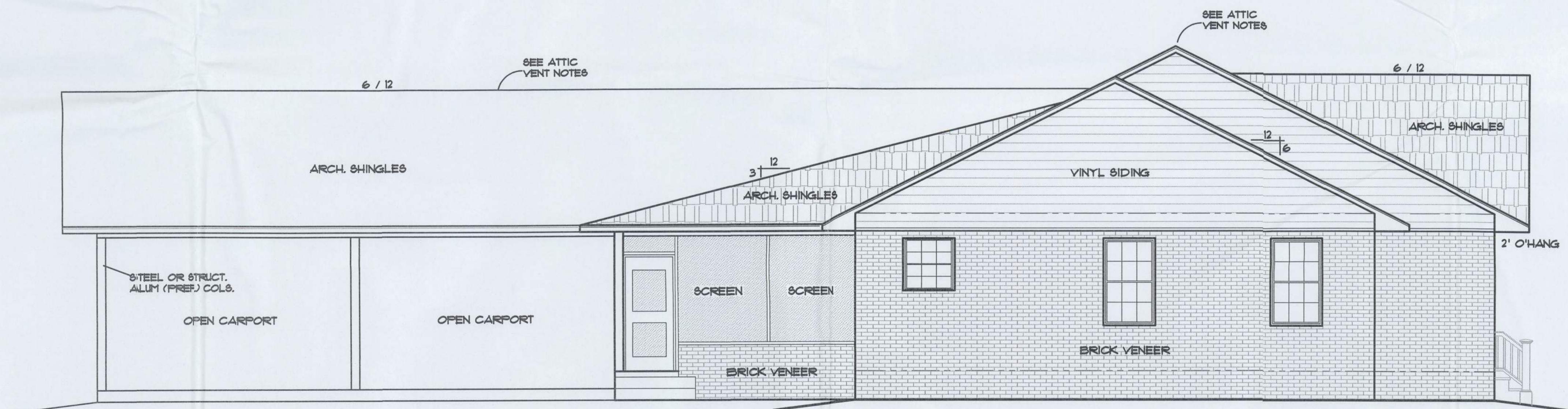
REVISIONS

#31820





FRONT ELEVATION
SCALE: 1/4 IN. = 1 FT.



LEFT ELEVATION
SCALE: 1/4 IN. = 1 FT.

ATTIC VENTILATION

Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain. Ventilating openings shall be provided with corrosion-resistant wire mesh, with h 1 / 8 inch (3.2 mm) minimum to 1/4 inch (6.4 mm) maximum openings.

The total net free ventilating area shall not be less than 1 to 150 of the area of the space ventilated except that the total area is permitted to be reduced to 1 to 300, provided at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents.

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

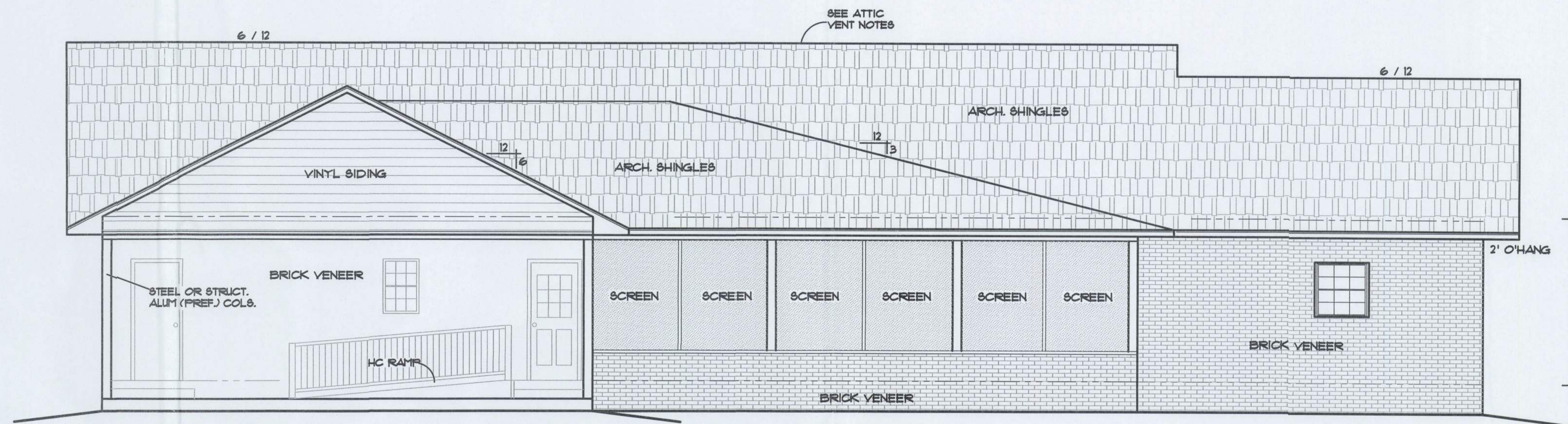
CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code Residential 2010, Section R301.2.1 to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location, permitted within 90 days of signature date. In case of conflict, structural requirements, scope of work, and builder responsibilities on sheet S-1 control.

SEMINOLE TERR.
LAKE CITY, FL Job No.: 1309038

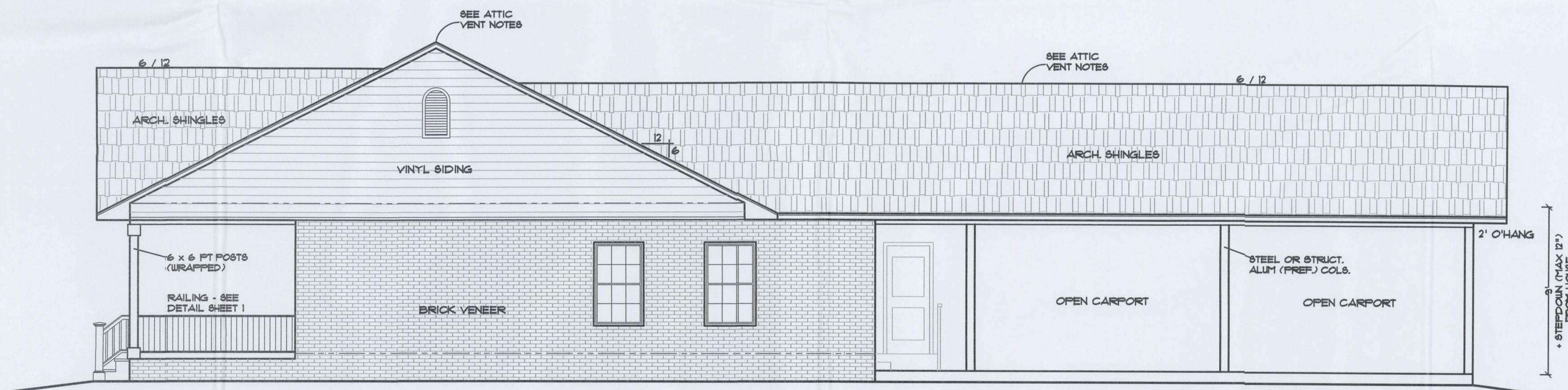
FILE: 13-008	FARNELL RESIDENCE	SHEET: 2 OF 5
DATE: 9-9-13		CAD FILE: 13-008
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV:
CHECK: T A D	192 SW Sagewood Gln., Lake City, FL 32024 Phone (386) 755-5891	REV:

A-2



REAR ELEVATION

SCALE: 1/4 IN. = 1 FT.



RIGHT ELEVATION

SCALE: 1/4 IN. = 1 FT.

ATTIC VENTILATION

Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain. Ventilating openings shall be provided with corrosion-resistant wire mesh, with a 1/8 inch (3.2 mm) minimum to 1/4 inch (6.4 mm) maximum openings.

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

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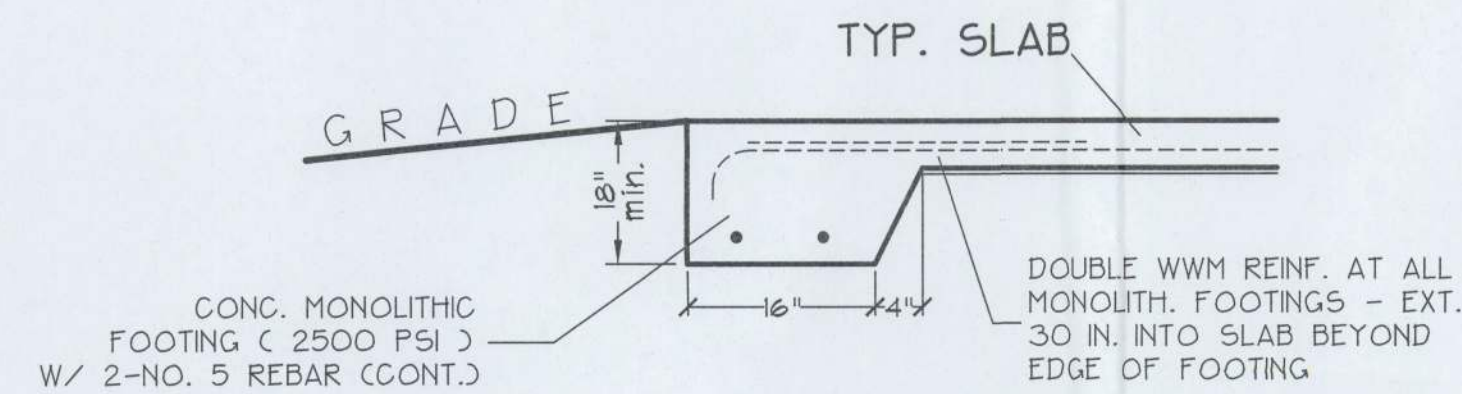
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SEMINOLE TERR.
Location: LAKE CITY, FL

Job No.: 1309038

FILE: 13-008	FARNELL RESIDENCE	SHEET: 3 OF 5
DATE: 9-9-13		CAD FILE: 13-008
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services 192 SW Sagewood Cir. Lake City, FL 32024 Phone (386) 755-5891	REV:
CHECK: T A D		REV:

A-3



MONOLITHIC FOOTING DETAIL

SCALE: 3/4 IN. = 1 FT.

NOTE: ALL DATA SHOWN SUBJECT TO, AND SUPERCEDED BY, FINAL DATA PROVIDED BY STRUCTURAL ENGINEER

TYPICAL CARPORT POSTS ARE 6x6 STEEL OR STRUCT. ALUMINUM (PREF.)

SEE MONOLITH. FTG. DETAIL

TYPICAL SLAB

CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.

HC RAMP THIS AREA (SEE FLOOR PLAN)

DOWN MAX. 12 INCHES HOSE BIB

TYP. STEMWALL TYP. FOOTING

TYPICAL SLAB

29'-10 1/4"

BRICK VENEER LOCATIONS - SEE ELEVATIONS AND FLOOR PLAN

CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.

TYPICAL SLAB IS 4 INCH CONC. (2500 PSI) W/ 6 MIL POLY VAPOR BARRIER (LAPPED 6 IN. MIN & SEALED) OVER STABILIZED FILL (CHEMICALLY TERMITE TREATED)

SLAB OPTIONS:

- A) USE 10/10 6x6 WWM REINFORCING ON CHAIRS AT 3' O.C.
- B) USE SYNTH. FIBER REINF. CONCRETE

TYPICAL STEMWALL & FOOTING: REFER TO DESIGN WALL SECTION THIS SHEET. VERIFY FINAL DETAILS W/ STRUCTURAL ENGINEER'S DATA.

FLOOR OUTLET NOTES: VERIFY LOC. W/ OWNER AND COORDINATE W/ ELEC. CONTRACTOR

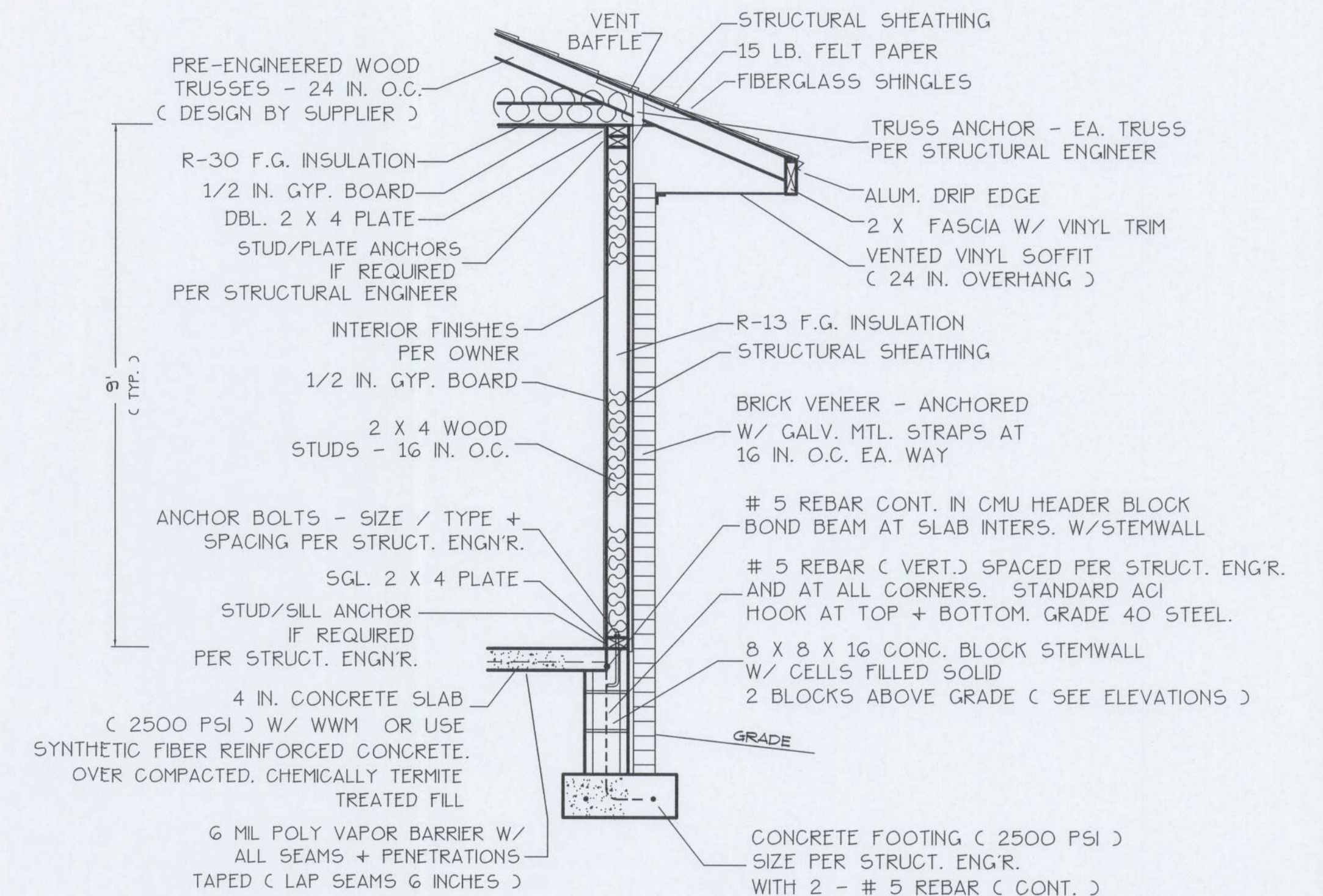
TYP. STEMWALL TYP. FOOTING

TYPICAL SLAB

TYP. STEMWALL TYP. FOOTING

PORCH POSTS 6x6 FT WRAPPED

BRICK VENEER LOCATIONS - SEE ELEVATIONS AND FLOOR PLAN



WALL SECTION NOTES:

- This Typical Wall Section is for Estimating purposes only.
- All data shown in this Wall Section shall be subject to review and final input by the Structural Engineer.

DESIGN WALL SECTION

NON-STRUCTURAL DATA

SCALE: 3/4 IN. = 1 FT.

FOUNDATION NOTES:

- CONTRACTOR SHALL EXAMINE ROOF TRUSS PLAN (BY SUPPLIER) TO DETERMINE ANY ADDITIONAL BEARING REQUIREMENTS BEFORE FINALIZING THE FOUNDATION PLAN.
- ALL CONCRETE IS 2500 PSI STRENGTH (MIN.)
- VERIFY DIMENSIONS WITH FLOOR PLAN
- SITE ANALYSIS AND PREPARATION DATA IS NOT A PART OF THIS PLAN AND IS THE RESPONSIBILITY OF THE CONTRACTOR / OWNER.

FOUNDATION PLAN

SCALE: 1/4 IN. = 1 FT.

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

CERTIFICATION: These plans and "Windload Engineering", Sheet S-1, attached, comply with Florida Building Code Residential 2010, Section R301.2.1 to the best of my knowledge.

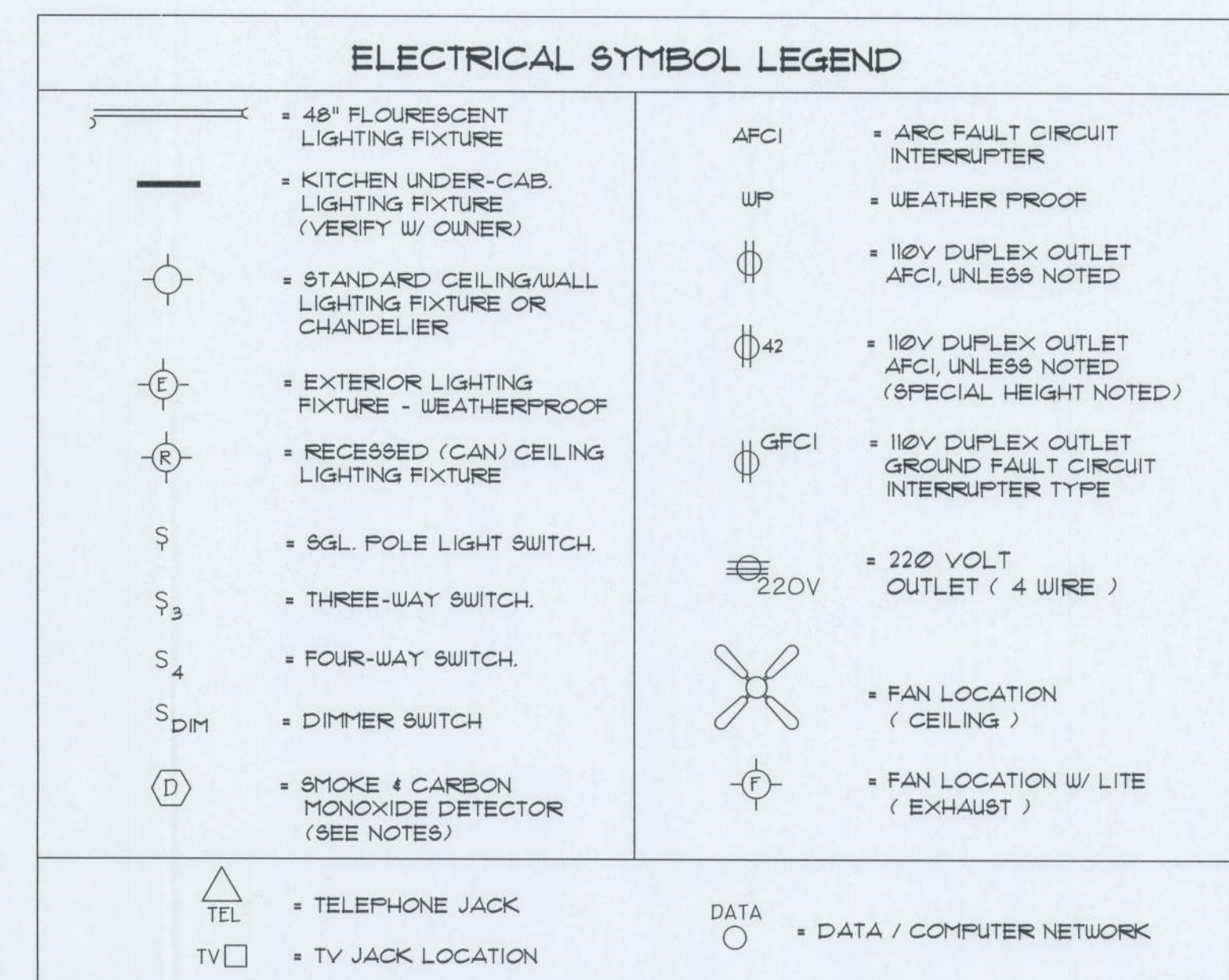
LIMITATION: This design is valid for one building, at specified location, permitted within 90 days of signature date. In case of conflict, structural requirements, scope of work, and builder responsibilities on sheet S-1 control.

SEMINOLE TERR. LAKE CITY, FL

Job No.: 1309059

FILE: 13-008	FARNELL RESIDENCE	SHEET: 4 OF 5
DATE: 9-9-13		CAD FILE: 13-008
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services 192 SW Sagewood Gln. Lake City, FL 32024 Phone (386) 755-5891	REV:
CHECK: T A D		REV:

A-4

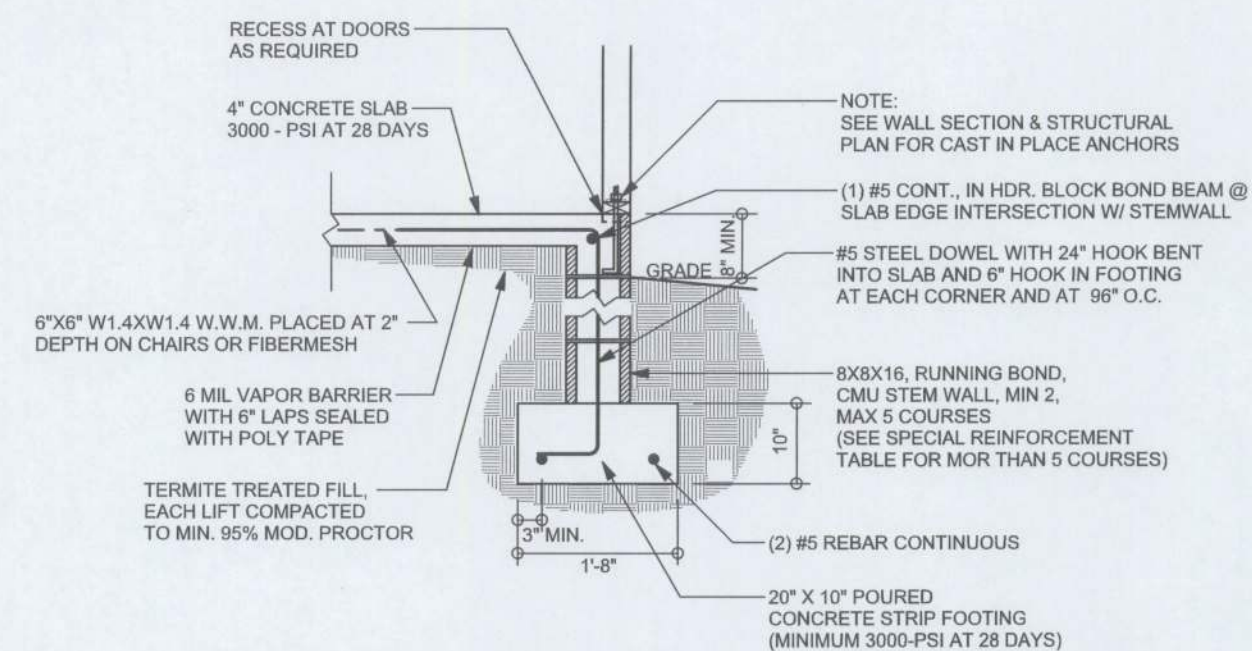


- ALL INSTALLATIONS ARE PER N.E.C. ELECTRIC CODE (NEC) 2008.
- ALL RECEPTACLES, UNLESS NOTED OTHERWISE, SHALL BE ARC FAULT CIRCUIT INTERRUPTER (AFCI) TYPE. ALSO, RECEPTACLES, UNLESS NOTED, SHALL BE TAMPER RESISTANT.
- GROUNDING OF ELECTRICAL SYSTEM SHALL BE BY "UFER" STYLE GROUNDING METHOD TO REINFORCING ROD IN CONCRETE FOUNDATION FOOTING (NEC 250.52 - GROUNDING ELECTRODES).
- WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- ELECTRICAL CONTR. SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD) TO BE DETERMINED BY POWER COMPANY.
- 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 2008.
- CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
- LOW VOLTAGE ITEMS (TELEPHONE, CATV, DATA CABLING) IS SHOWN, IF REQUESTED BY OWNER / BUILDER. CONSULT OWNER FOR REQUIREMENTS IF NOT SHOWN ON ELECTRICAL PLAN.
- ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS. THEY SHALL ALSO PROVIDE CARBON MONOXIDE DETECTION.

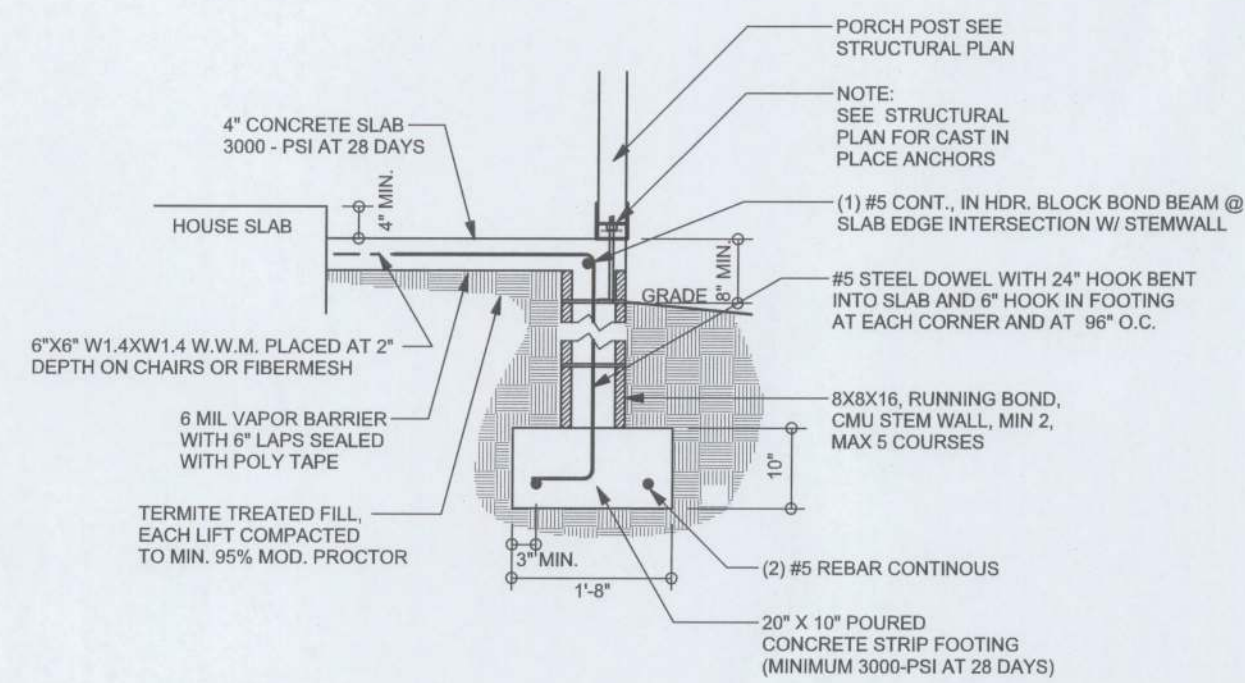
SEMINOLE TERR.
LAKE CITY, FL

FILE: 13-0008	FARNELL RESIDENCE	SHEET: 5 OF 5
DATE: 9-9-13		CAD FILE: 13-0008
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting & Technical Services	REV:
CHECK: T A D	192 SW Sagewood Gln. Lake City, FL 32024 Phone (386) 755-5891	REV:

A-5



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

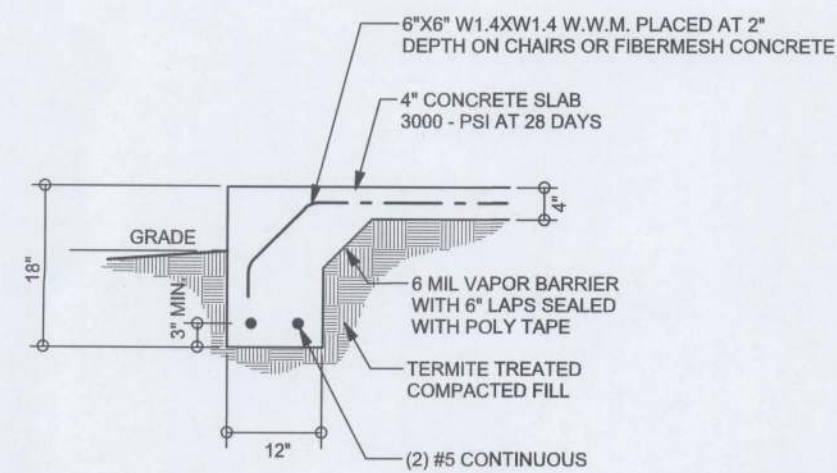


F2 S-2
SCALE: 1/2" = 1'-0"

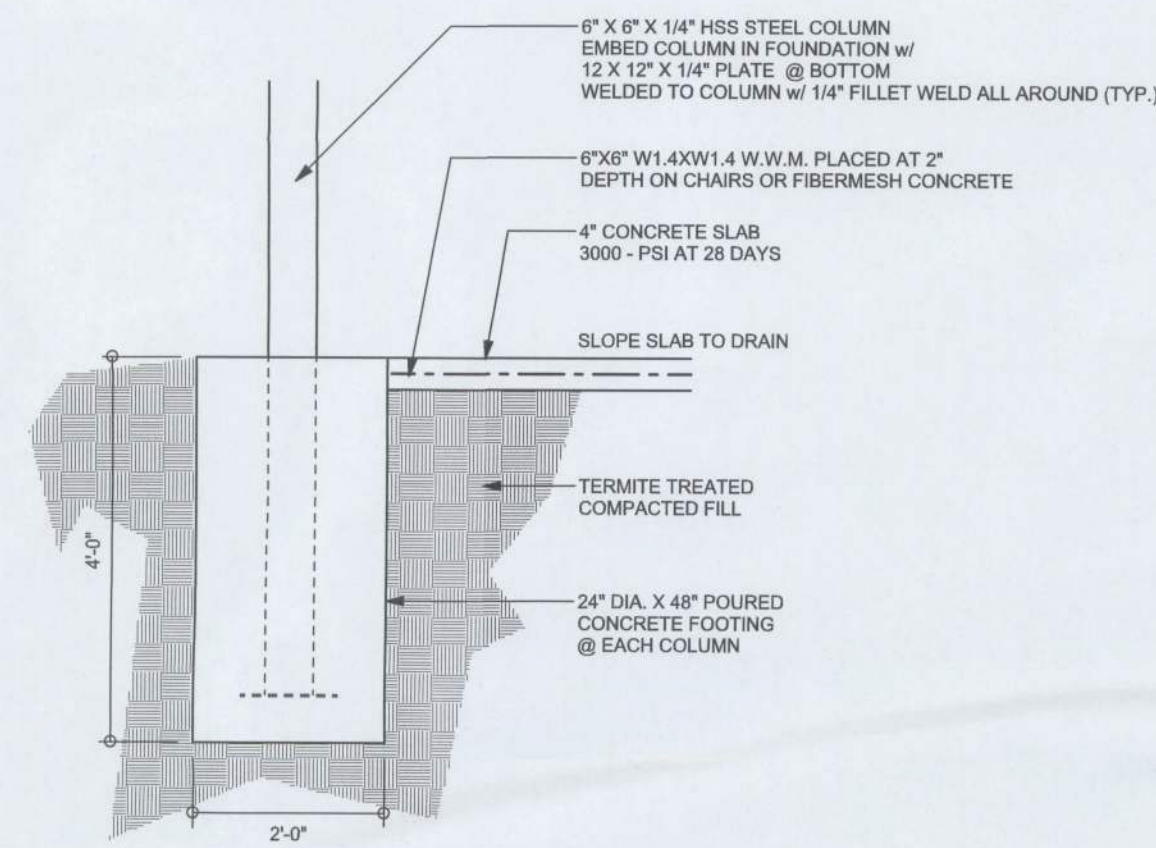
TALL STEM WALL TABLE

The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced side 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 Diagonal ladder reinforcement at 18"OC 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 as shown in the table below.

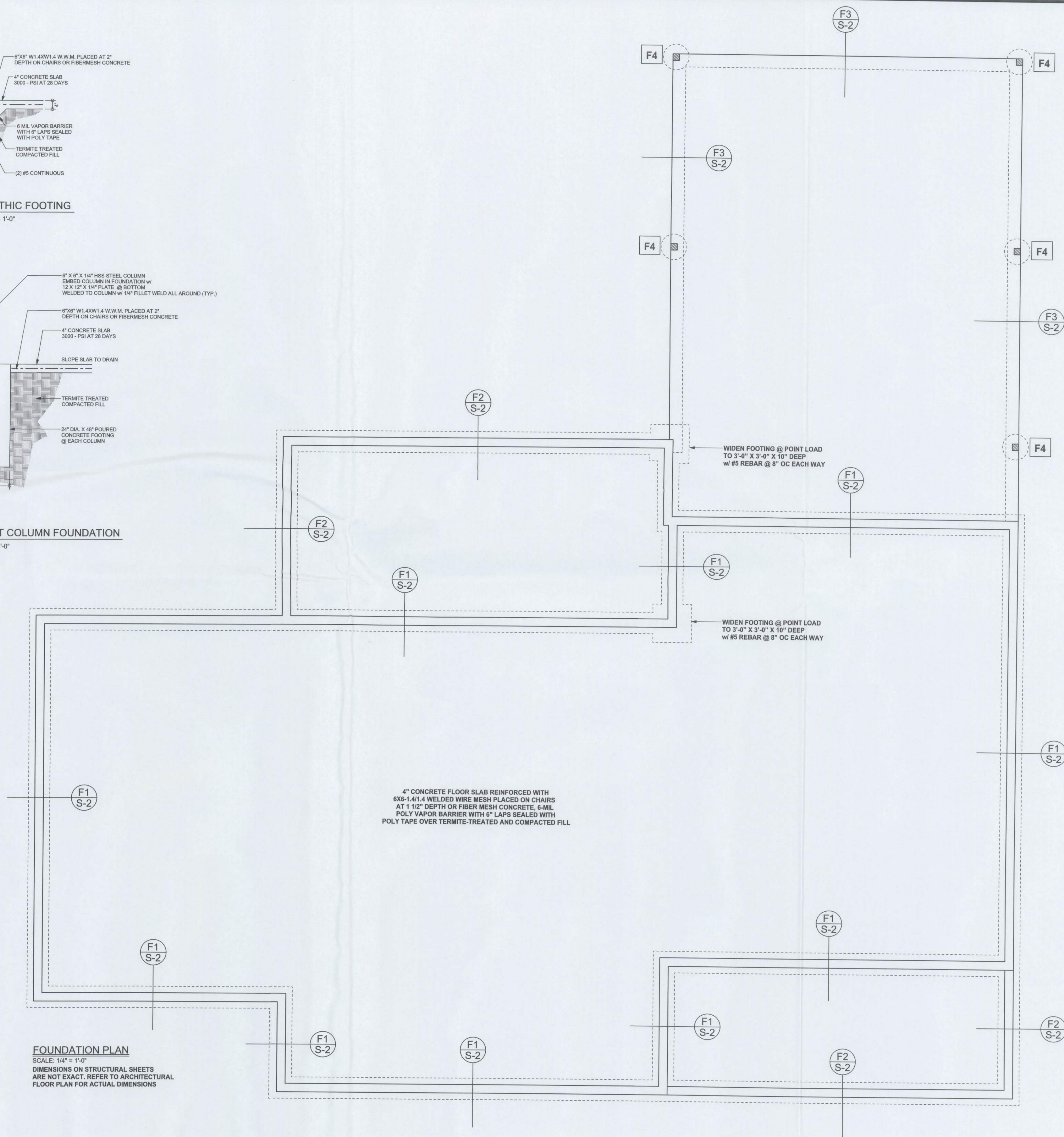
STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 6" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	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



F3 S-2
SCALE: 1/2" = 1'-0"



F4 S-2
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

NO.	DESCRIPTION	DATE

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Disosway, P.E. No. 53915, PCB 868, Lake City, FL 32056, 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 that the applicable portions of the plan, relating to wind engineering comply with section RS01.2.1, 2010 Florida Building Code Residential to the best of my knowledge.

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



Farnell Residence

ADDRESS:
Seminole Terr. Lake City, FL
Mark Disosway P.E.
P.O. Box 868
Lake City, Florida 32056
Phone: (386) 754 - 5419
Fax: (386) 269 - 4871

PRINTED DATE:
October 04, 2013

DRAWN BY: STRUCTURAL BY:

FINALS DATE:
4Oct13

JOB NUMBER:
1309038

DRAWING NUMBER

S-2

OF 6 SHEETS

REVISIONS	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 SP #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 BCS11-03, BCS1-B1, BCS1-B2, & BCS1-B3. BCS1-B1, BCS1-B2, & BCS1-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

WALL LEGEND

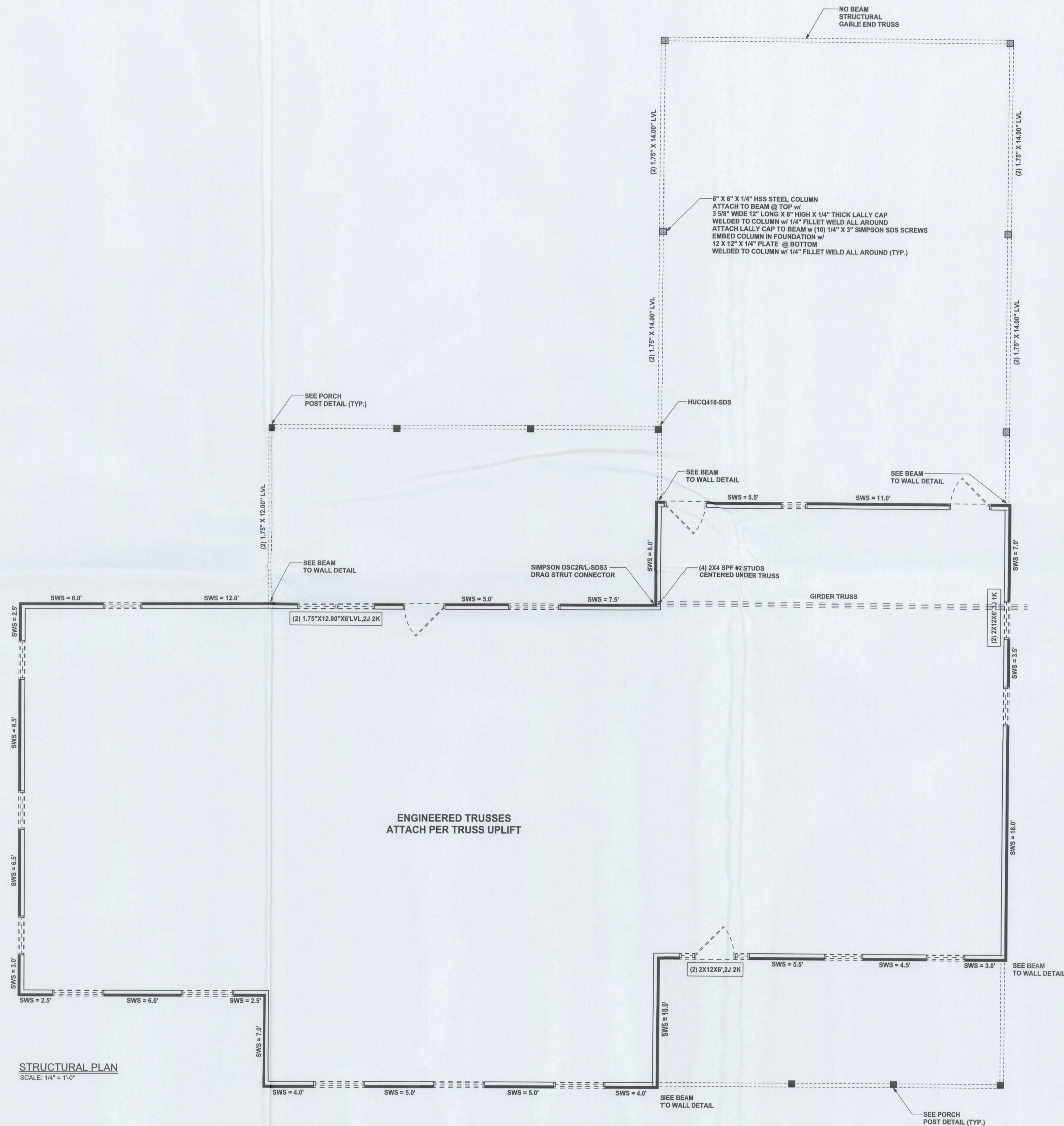
	EXTERIOR WALL
	INTERIOR NON-LOAD BEARING WALL
	INTERIOR LOAD BEARING WALL w/ NO UPLIFT
	INTERIOR LOAD BEARING WALL w/ UPLIFT

HEADER LEGEND

	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 PLYS IN HEADER

TOTAL SHEAR WALL SEGMENTS

	INDICATES SHEAR WALL SEGMENTS	REQUIRED	ACTUAL
TRANSVERSE		42.0'	74.0'
LONGITUDINAL		38.5'	89.0'



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

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

DIMENSIONS:
Stated dimensions supersede scaled
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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 F507.2.1, 2010 Florida
Building Code Residential
to the best of my knowledge.

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

MARK DISOSWAY, P.E.
October 04, 2013

Farnell Residence

ADDRESS:
Seminole Terr. Lake City, FL

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P.O. Box 868
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S-3
OF 6 SHEETS