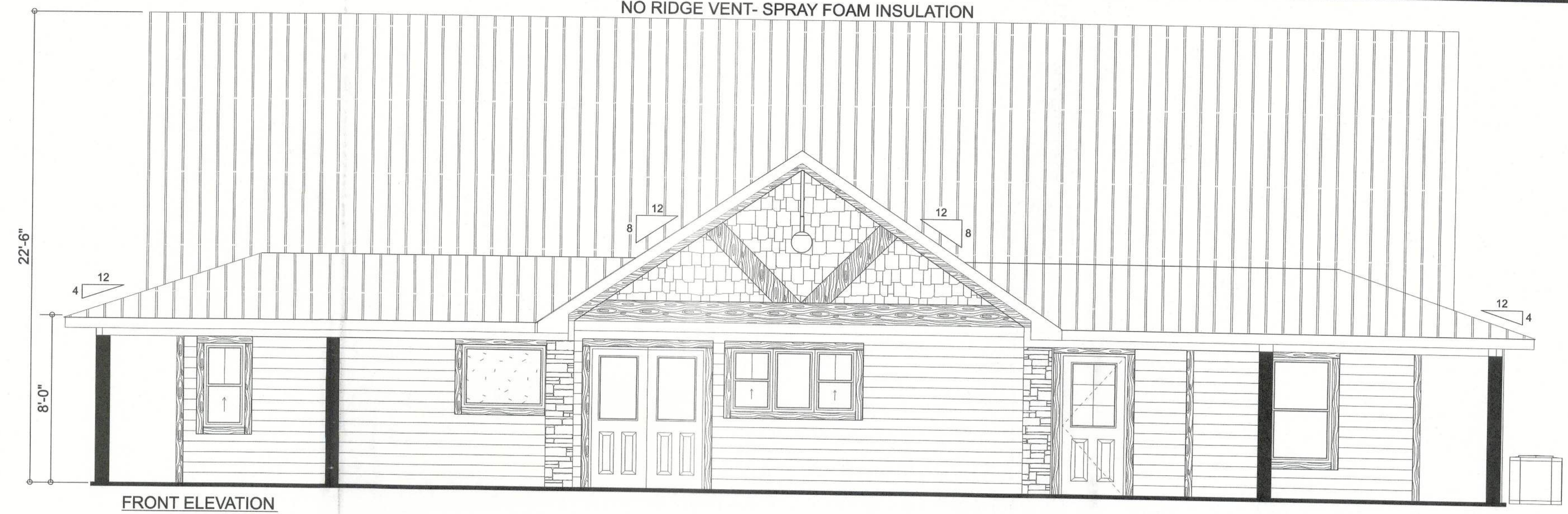


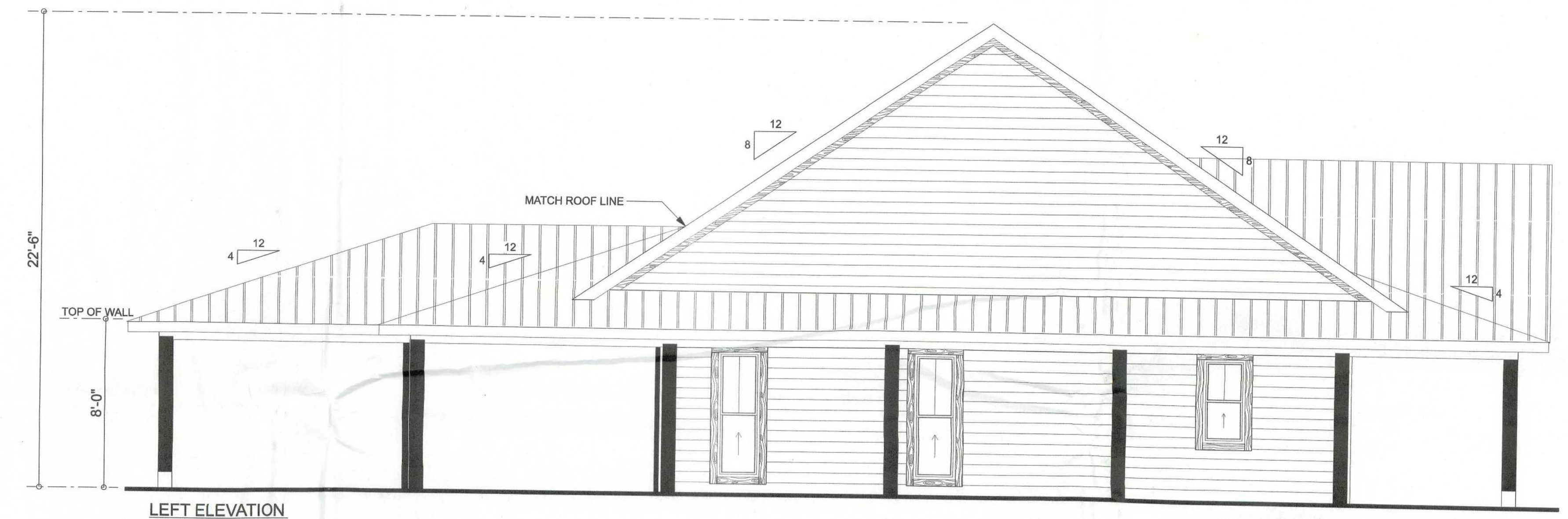
NO RIDGE VENT- SPRAY FOAM INSULATION

REVISIONS

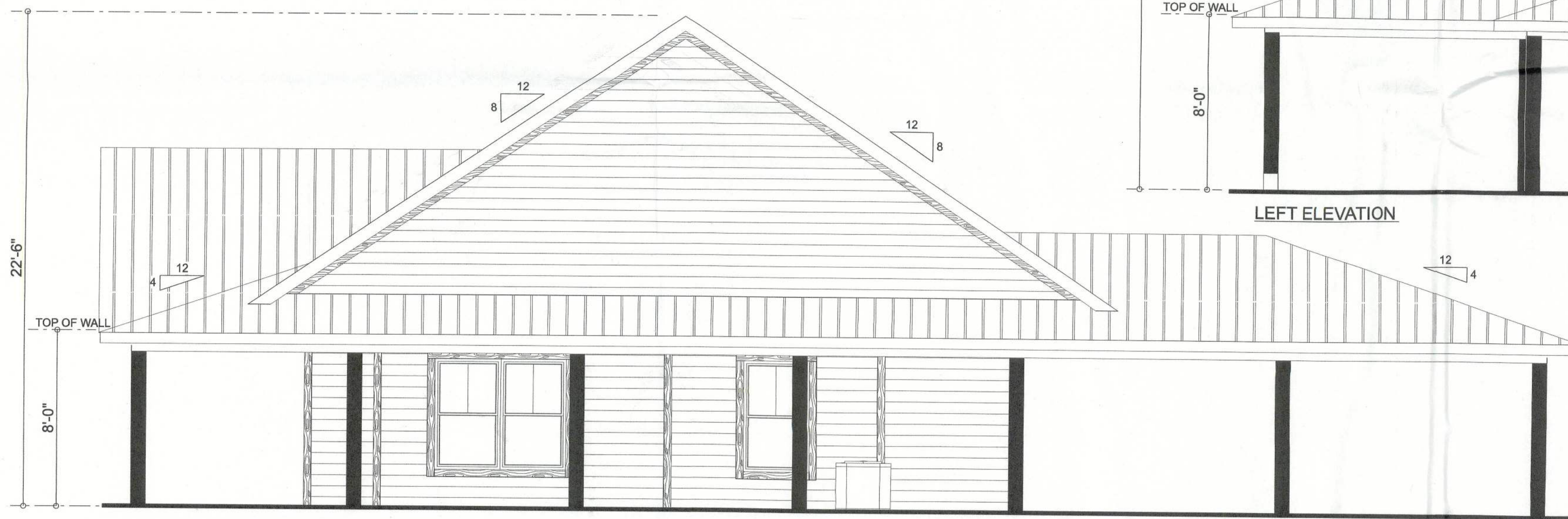
SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE



FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



REAR ELEVATION



Erkinger Construction
Group
Bryan B. and Robin L.
Smithey
Residence

PARCEL ID#
19-3S-16-02181-007(7327)
ADDRESS:
3664 NW Brown Road
Lake City, FL 32024
Columbia County

PRINTED DATE:
Monday, November 4, 2024

DRAWN BY:
Matthew A. Erkinger Sr.

CHECKED BY:

DRAWING NUMBER

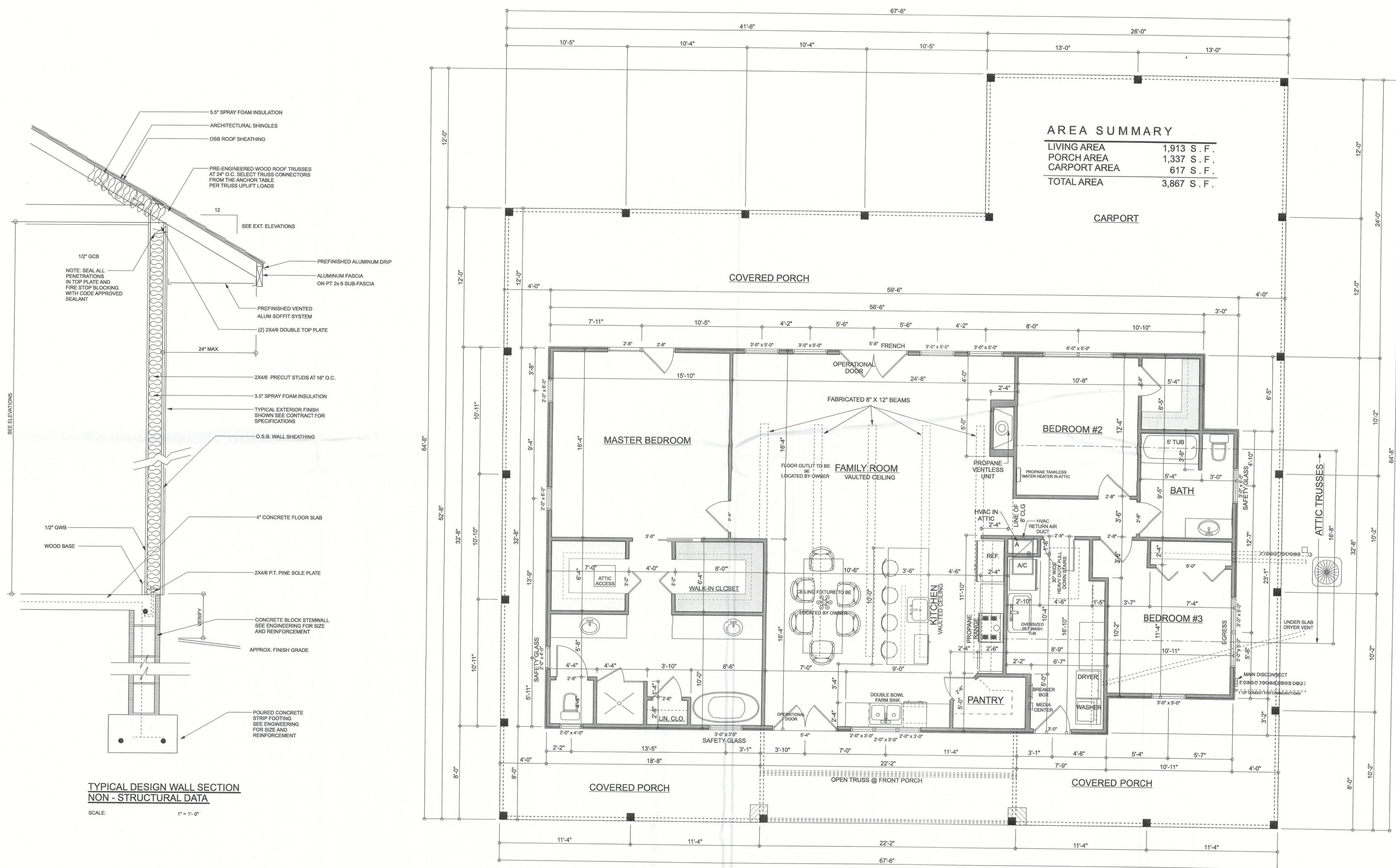
#1

OF 3 SHEETS

51574

REVISIONS	

SOFTPLAN
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Erkinger Construction
Group
Bryan B. and Robin L.
Smithy
Residence

PARCEL ID#
19-35-16-02181-007(7327)
ADDRESS:
TBD NW Brown Road
Lake City, FL 32024
Columbia County

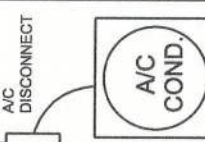



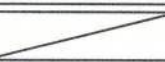

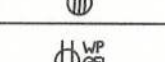
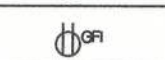
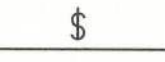
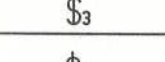



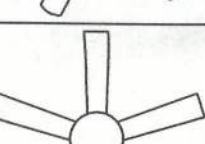
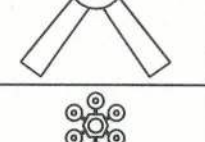



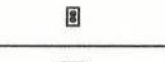
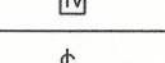


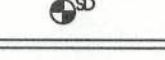


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Monday, November 4, 2024

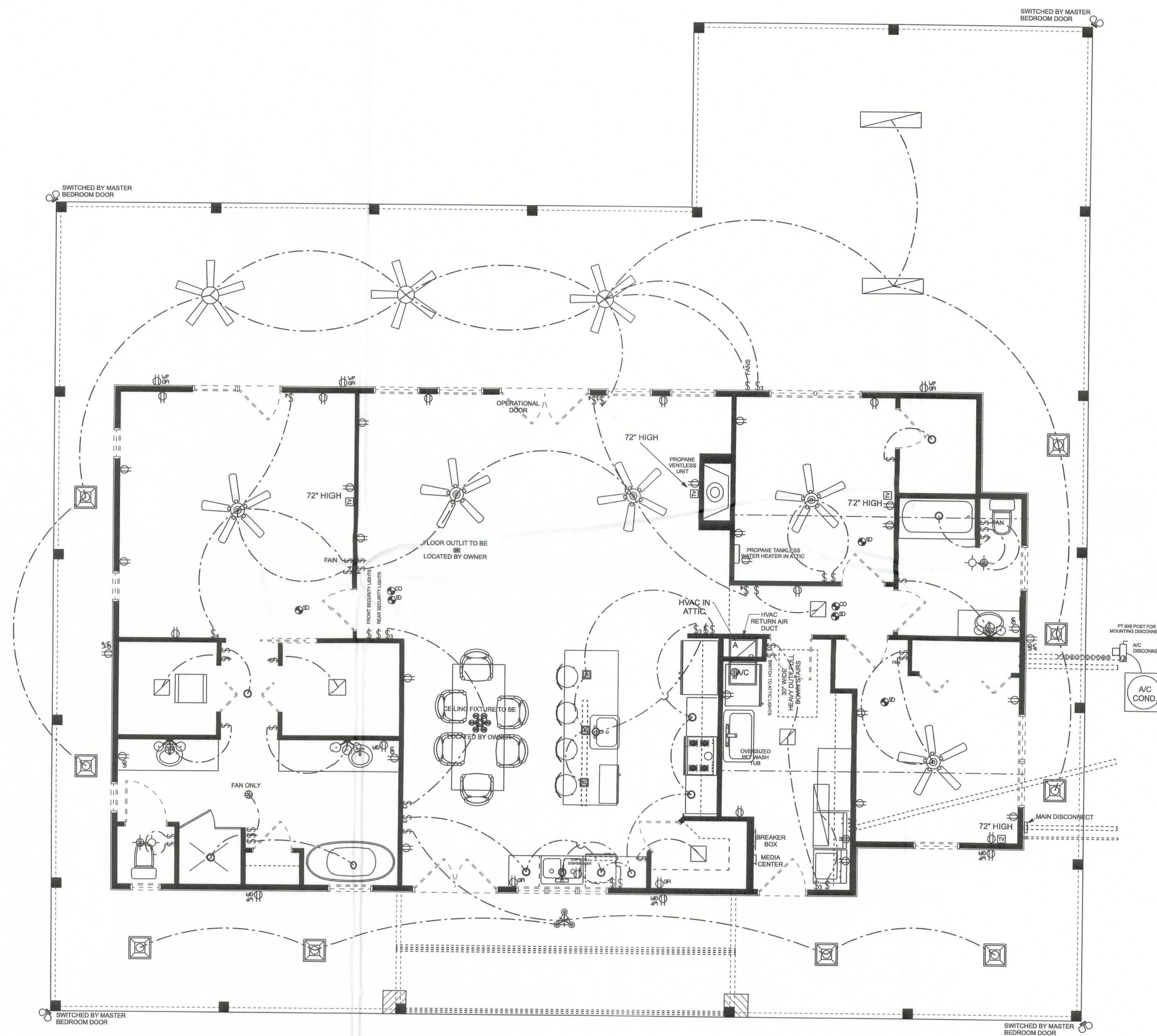
DRAWN BY: Matthew A. Erkinger Sr.
CHECKED BY:

DRAWING NUMBER

#2

OF 3 SHEETS

ELECTRICAL LEGEND	
ELECTRICAL	SYMBOL
AC Disconnect	
fan - Bath fan light	
fan - bath fan	
light - can light	
light - exterior spotlights	
light - fluorescent 1 x 4	
outlet	
outlet - 220v	
outlet - W/P	
outlet - gfi	
switch	
switch - 3 way	
switch - 4 way	
ceiling fan 5 bladed 02	
ceiling fan 5 bladed 04	
chandelier 01	
chandelier 04	
pendant large	
lamppost lamp	
floor outlet single	
cable tv outlet	
switch 4 way - rocker style	
wall mounted 01 3 lights	
detector - CO	
detector - smoke	



ELECTRICAL PLAN

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

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Bryan B. and Robin L.
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Residence

PARCEL ID#:
19-35-16-02181-007(7327)
ADDRESS:
TBD NW Brown Road
Lake City, FL 32024
Columbia County

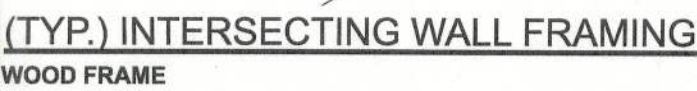
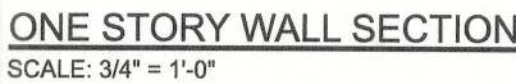
PRINTED DATE:
Monday, November 4, 2024

DRAWN BY: Matthew A. Erkinger Sr.
CHECKED BY:

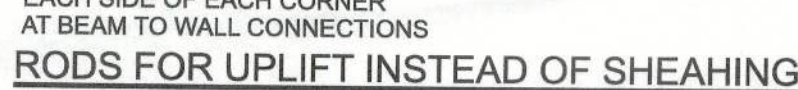
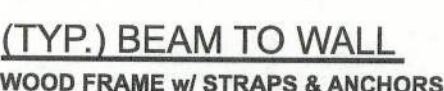
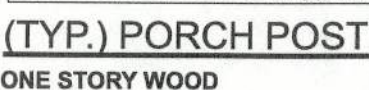
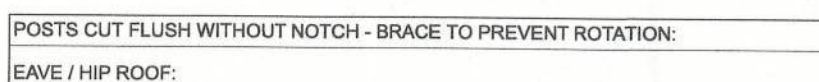
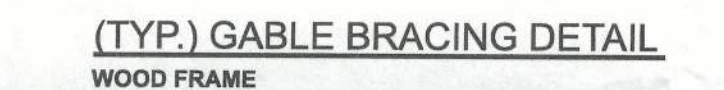
DRAWING NUMBER

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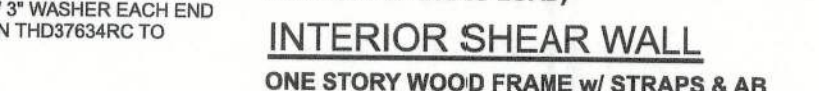
OF 3 SHEETS



Note: For sheathing located a minimum of 4 feet from the perimeter edge of the roof, including 4 feet from each side of ridges and hips, nail spacing is permitted to be 6 inches on center along panel edges and 6 inches on center along intermediate supports in the panel field. Note: This table specifies the code minimum thickness of roof sheathing. The thickness of the sheathing may need to be increased based on the type of roofing material being used. See manufacturer Florida product approval.




			12-100	980 X7 0111 & epoxy
--	--	--	--------	---------------------



EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS:

DESIGN CRITERIA & LOADS:	
BUILDING CODE	8TH EDITION FLOOR BEARING CODE RESIDENTIAL (2023)
CODE FOR DESIGN LOADS	ASCE 7-22
WINDLOADS	
BASIC WIND SPEED (ASCE 7-22, 38 (UST))	130 MPH
WIND EXPOSURE (BUILDER MUST FIELD VERIFY)	C
TOPOGRAPHIC FACTOR (BUILDER MUST FIELD VERIFY)	I
RISK CATEGORY	II
ENCLOSURE CLASSIFICATION	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	0.18
ROOF ANGLE	7-45 DEGREES
MEAN ROOF HEIGHT	30 FT
C&B DESIGN PRESSURES	SEE TABLE
FLOOR LOADING	
ROOMS OTHER THAN SLEEPING ROOM	40 PSF LIVE LOAD
SLEEPING ROOMS	30 PSF LIVE LOAD
ROOF LOADING	
FLAT OR < 4:12	20 PSF LIVE LOAD
4:12 TO 12:12	16 PSF LIVE LOAD
12:12 & GREATER	12 PSF LIVE LOAD
SOIL BEARING CAPACITY	1500 PSF
FLOOD ZONE	THIS BUILDING IS NOT IN THE FLOOD ZONE

Erkinger Construction Group Bryan B. and Robin L. Smithley Residence	
PROJECT ADDRESS: 130 NW Brown Road Lake City, FL 32024	PARCEL ID#: 18-3S-1B-02181-007(7327) Columbia County, FL
<p>Mark Disoway FL PE 53915</p>  <p>2024-11-04</p>	
<p>DIMENSIONS: Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without clarification.</p> <p>COPYRIGHTS AND PROPERTY RIGHTS: Mark Disoway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disoway.</p> <p>CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 8th Edition Florida Building Code Residential (2023) to the best of my knowledge.</p> <p>LIMITATION: This design is valid for one building, at specified location.</p>	
<p>Mark Disoway P.E. 163 SW Midtown Place Suite 103 Lake City, Florida 32025 386.754.5419 disowaydesign@gmail.com</p>	
<p>JOB NUMBER: 241153</p>	

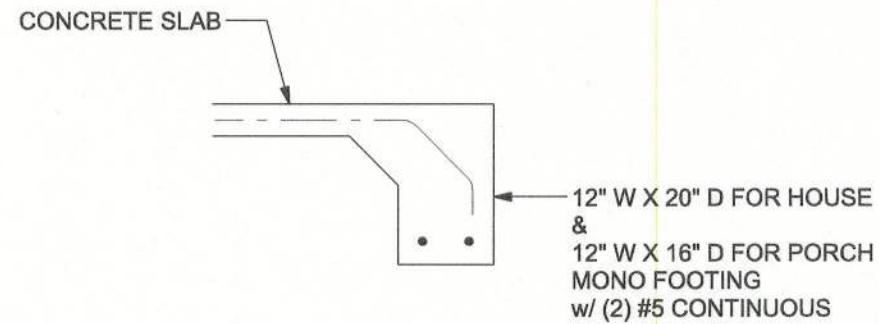
TALL STEM WALL TABLE:							
The table assumes 40 ksi for #5 rebar and 60 ksi for #7 & #8 rebar with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Duowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with #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 BAS/FILL 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

MASONRY NOTE:
MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.

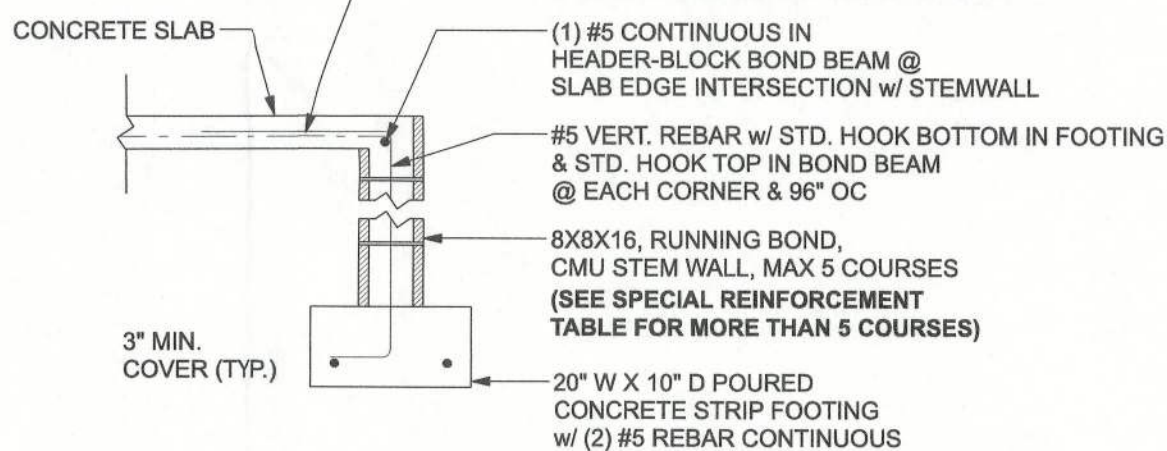
ACI 530.1-02 Section	Specific Requirements
1.4A Compressive strength	8" block bearing walls $F_m = 1500$ psi
2.1 Mortar	ASTM C 270, Type N, UNO
2.2 Grout	ASTM C 476, admixtures require approval
2.3 CMU standard	ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 10"x16" column block
2.3 Clay brick standard	ASTM C 216-02, Grade SW, Type FBS, 5.2"x2.25"x11.5"
2.4 Reinforcing bars, #3 - #11	ASTM 615, Grade 40, $F_y = 40$ ksi, Lap splices min 40 bar dia. (25" for #5)
2.4F Coating for corrosion protection	Anchors, sheet metal ties completely embedded in mortar or grout, ASTM A525, Class G60, 0.80 oz/lb or 304SS
2.4F Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wet feet, anchors, sheet metal ties not completely embedded in mortar or grout, ASTM A153, Class B2, 1.50 oz/lb or 304SS
3.3.E.2 Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.
3.3.E.7 Movement joints	Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings.

BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL.

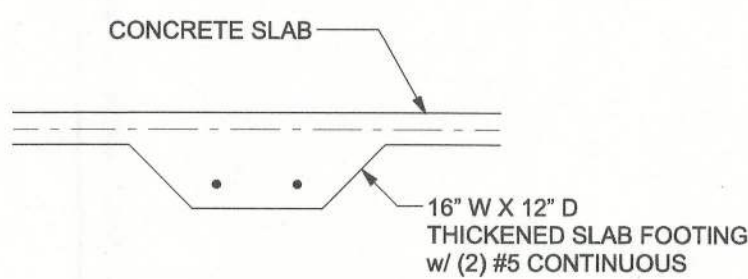
NOTE: FOR STEM WALL FOUNDATIONS OVER 5 COURSES IN HEIGHT THE SLAB IS REQUIRED TO BE ATTACHED TO THE STEM WALL @ BOND BEAM w/ 2" X 2" #5 CORNER REBARS (1) LEG EXTENDING INTO SLAB & (1) LEG LAPPED w/ THE HORIZONTAL BOND BEAM REBAR SPACED THE SAME AS VERTICAL REBAR



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



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



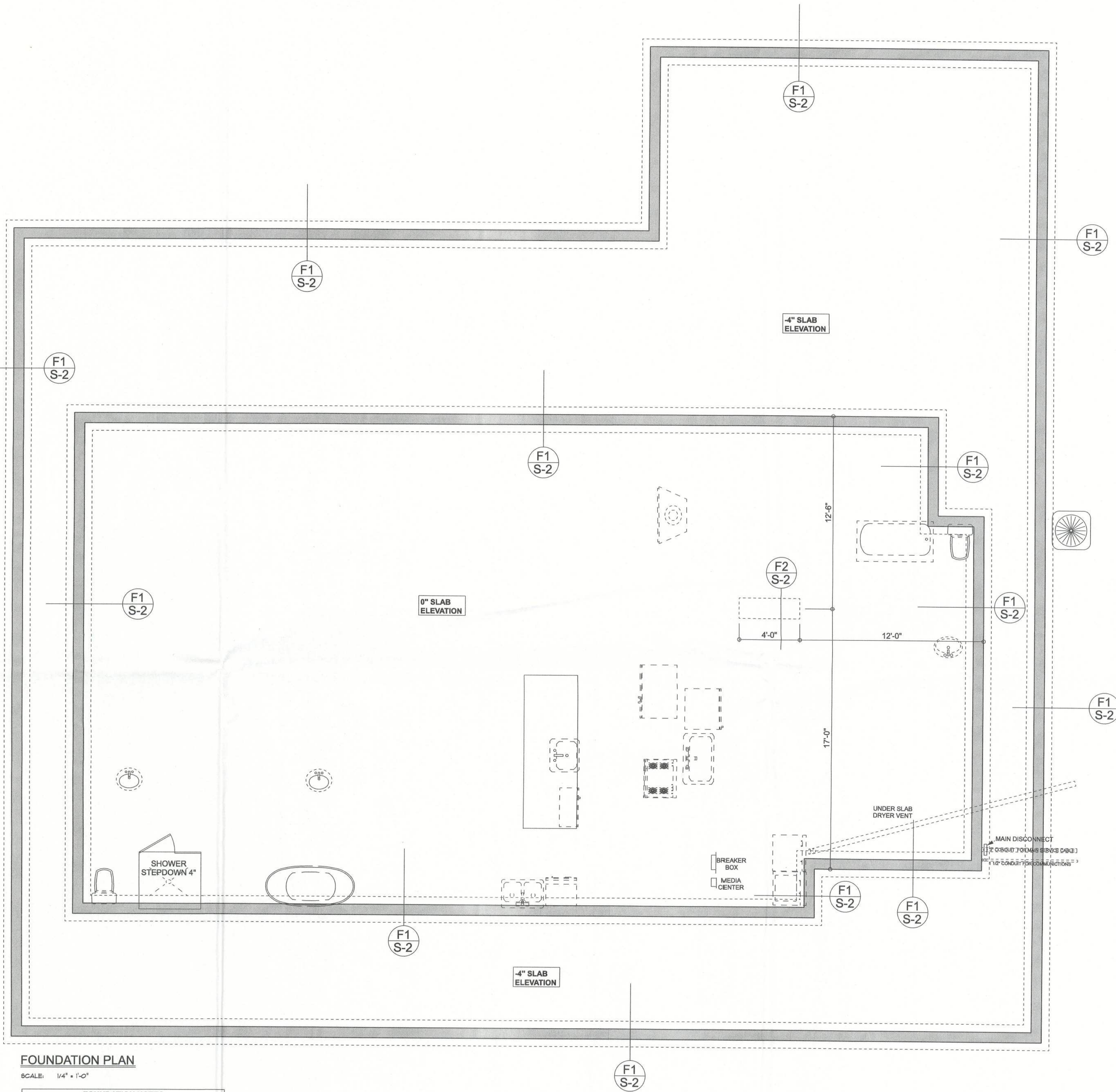
F2 S-2 INTERIOR BEARING FOOTING
SCALE: 1/2" = 1'-0"

FOUNDATION PLAN

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

FOUNDATION NOTES

- FN - 1) DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC. DISOSWAY DESIGN GROUP OR MARK DISOSWAY, P.E. IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
- CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
- FN - 2) THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED w/ 6X8-1/4" WELDED WIRE MESH PLACED ON CHAIRS @ 1'12" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 8" LAPS SEALED w/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL (ALSO, ANY OTHER CODE APPROVED TERMITE-TREATMENT METHOD CAN BE USED INSTEAD).



Erkinger Construction Group

Bryan B. and Robin L. Smithley Residence

PROJECT ADDRESS:
TBD NW 8th St
Lake City, FL 32024

PARCEL ID#:
16-35-35-01-196-000-0000-0000-0000
Columbia County, FL

Mark Disosway P.E. 53915



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 the 8th Edition Florida Building Code Residential (2022) to the best of my knowledge.

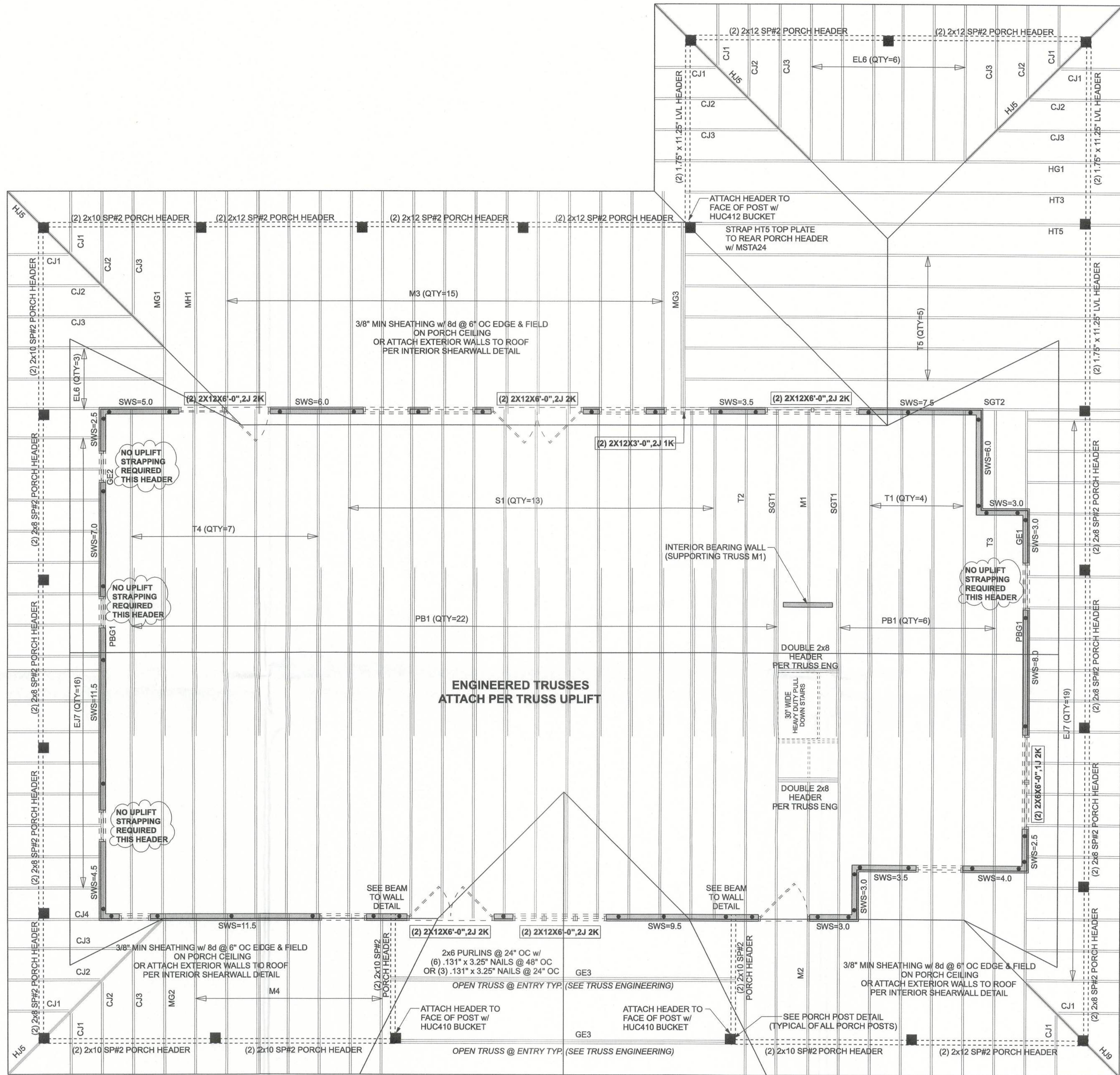
LIMITATION: This design is valid for one building, at specified location.

Mark Disosway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disoswaydesign@gmail.com

JOB NUMBER:
241153

S-2

OF 3 SHEETS



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

STRUCTURAL PLAN NOTES

- SN-1 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- 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-81, BCSI-82, & BCSI-83. BCSI-81, BCSI-82, & BCSI-83 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE
- SN-2

ACTUAL vs REQUIRED SHEARWALL

	TRANSVERSE	LONGITUDINAL
ACTUAL	19008 LBF	22374 LBF
REQUIRED	17519 LBF	18116 LBF

HEADER LEGEND

- (2) 2X6X0', 1J 1K ← HEADER/BEAM CALL-OUT (U.N.O.)
- ↑ NUMBER OF KING STUDS EACH SIDE OF OPENING (FULL LENGTH)
- ↑ NUMBER OF JACK STUDS EACH SIDE OF OPENING (UNDER HEADER)
- ↑ SPAN OF HEADER
- ↑ SIZE OF HEADER MATERIAL
- ↑ NUMBER OF PLIES IN HEADER

- = OPTIONAL ROD PLACEMENT
SEE ROD STRAPPING OPTION DETAIL ON S-1

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. SEMINOLE TRUSSES, INC
JOB #B59980a

UNLESS NOTED OTHERWISE (MINIMUM REQUIREMENTS)

SEE STRUCTURAL PLAN FOR ANY SPECIFIC CALL OUTS

BEAM / HEADERS (SIZE)	ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SP #2 (UNO)
HEADERS (JACK & KING STUDS)	ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (UNO)
HEADERS (STRAPPING)	ALL HEADERS w/ UPLIFT TO BE STRAPPED OR SCREWED DOWN w/ MIN. OPTION #1 OR OPTION #3 (SEE DETAIL ON SHEET S-1) (U.N.O.) 1/2" X 10" ANCHOR BOLT w/ 3" X 3" X 1/4" WASHER MUST BE LOCATED WITHIN 6" OF KING STUD @ ALL DOOR LOCATIONS (U.N.O.)
JACK STUDS UNDER GIRDER TRUSS	USE ONE JACK STUD GIRDER SUPPORT PER 2000 LB LOAD

Erkinger Construction Group

Bryan B. and Robin L.
Smithley Residence

PROJECT ADDRESS:
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Lake City, FL 32024
PARCEL ID#:
19-3S-16-02181-007(7327)
Columbia County, FL

Mark Disosway FL PE 53915



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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 the 6th Edition Florida Building Code Residential (2023) to the best of my knowledge.

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

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386.754.5419
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JOB NUMBER:
241153

S-3
OF 3 SHEETS