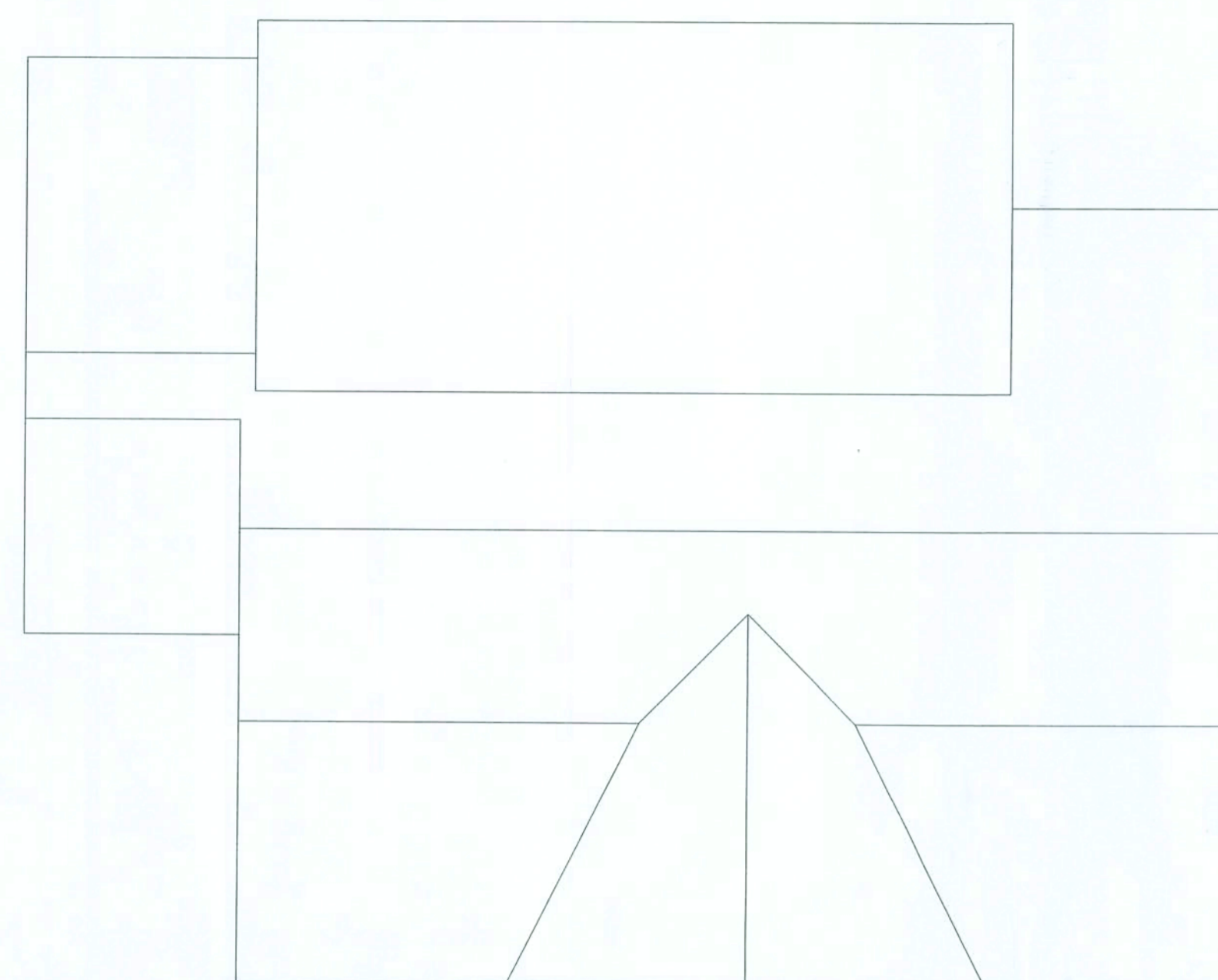
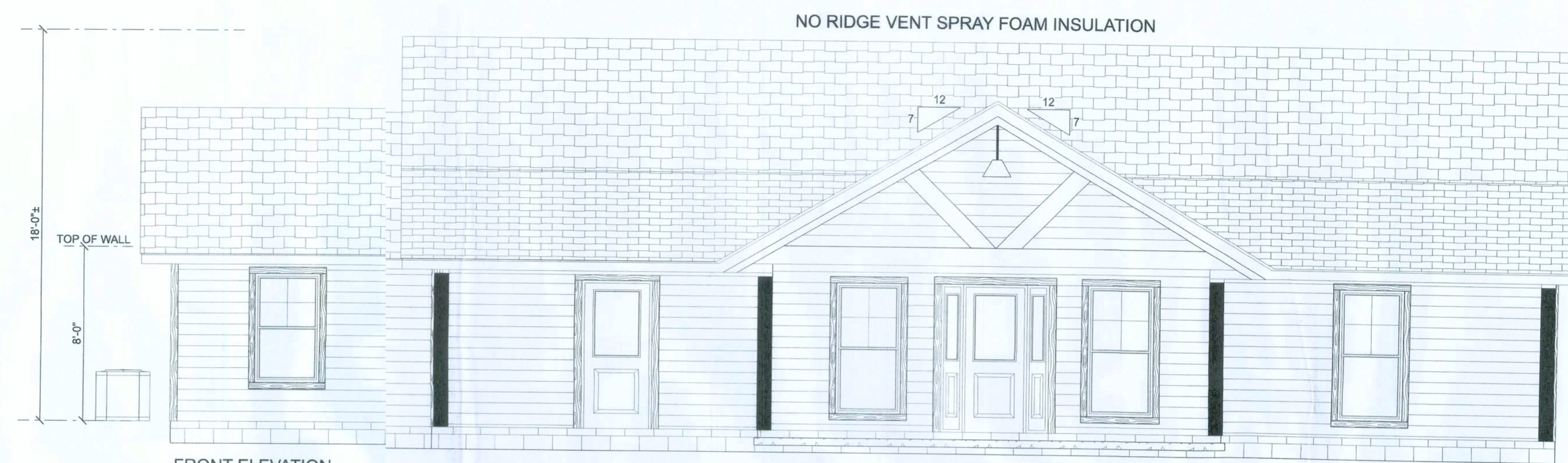


REVISIONS	

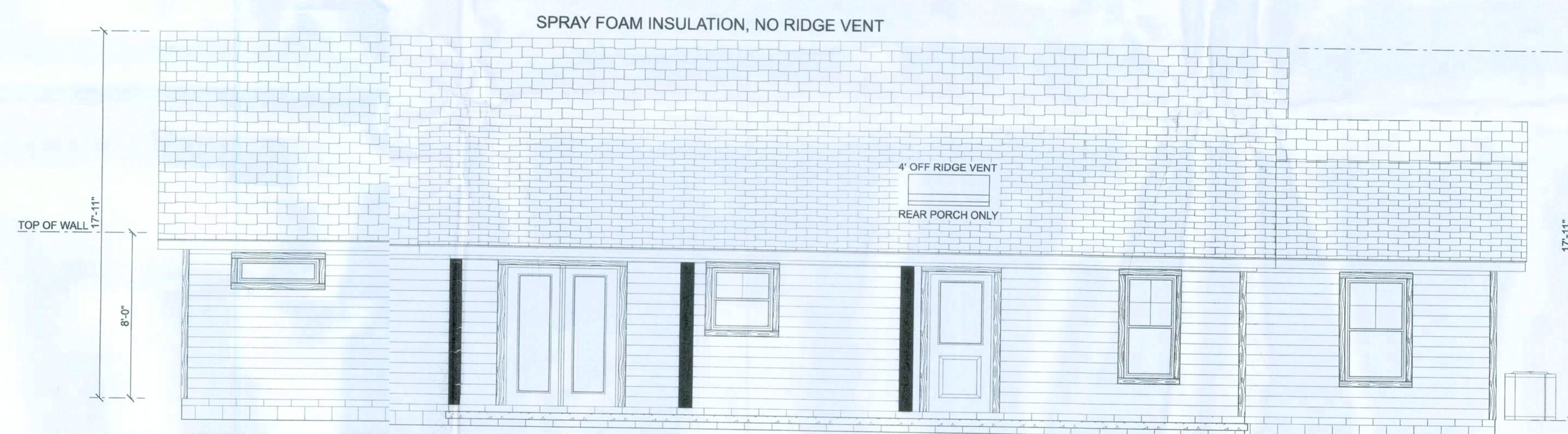
SOTPLAN
ARCHITECTURAL DESIGN SOFTWARE



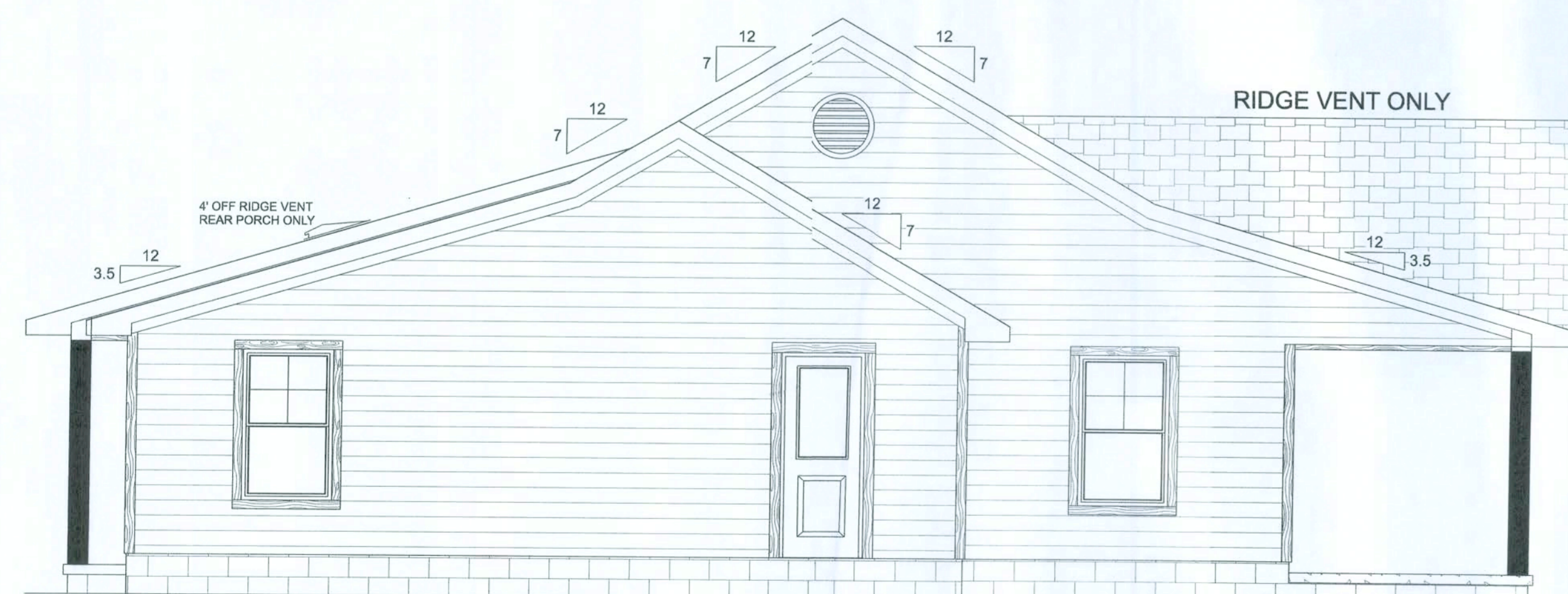
ROOF PLAN



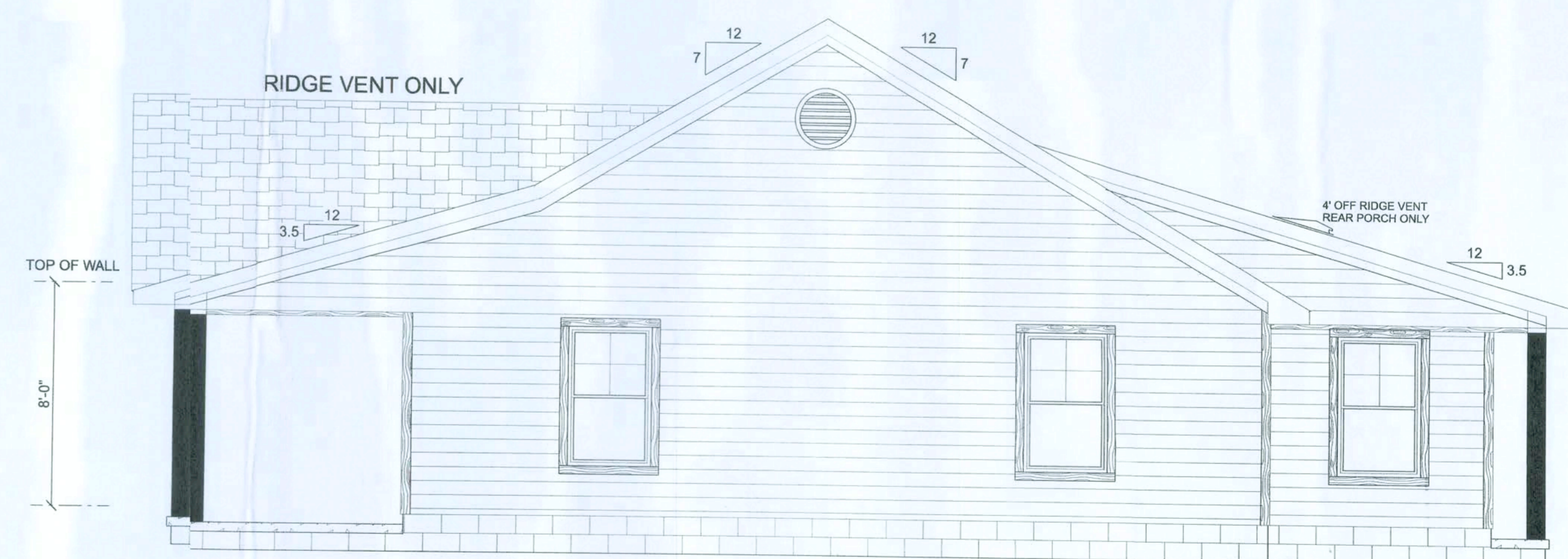
FRONT ELEVATION



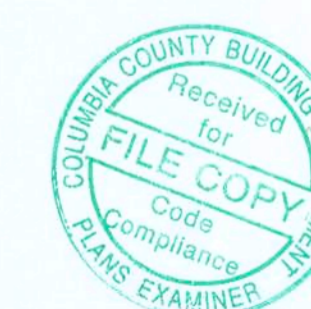
REAR ELEVATION



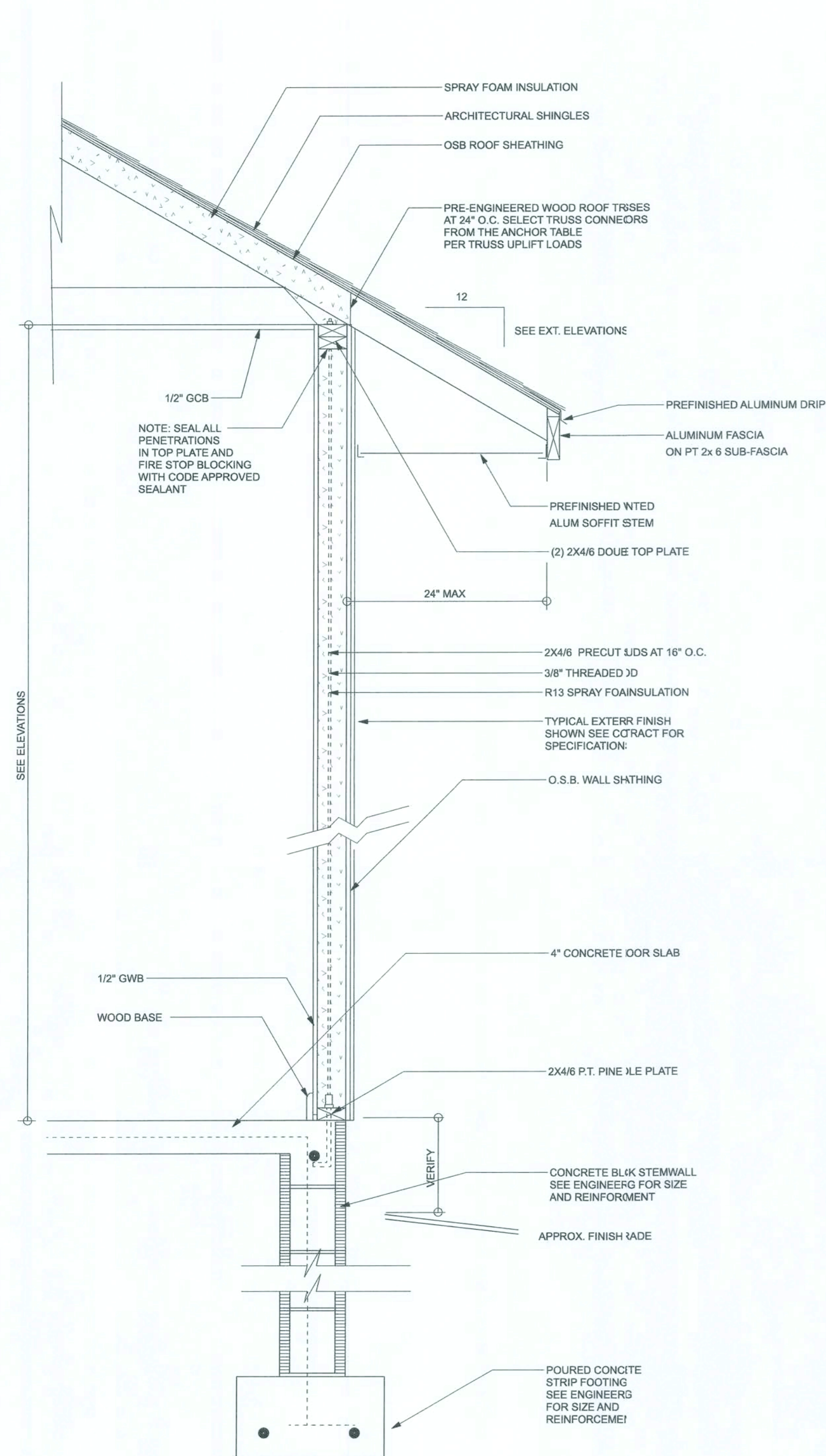
LEFT ELEVATION



RIGHT ELEVATION

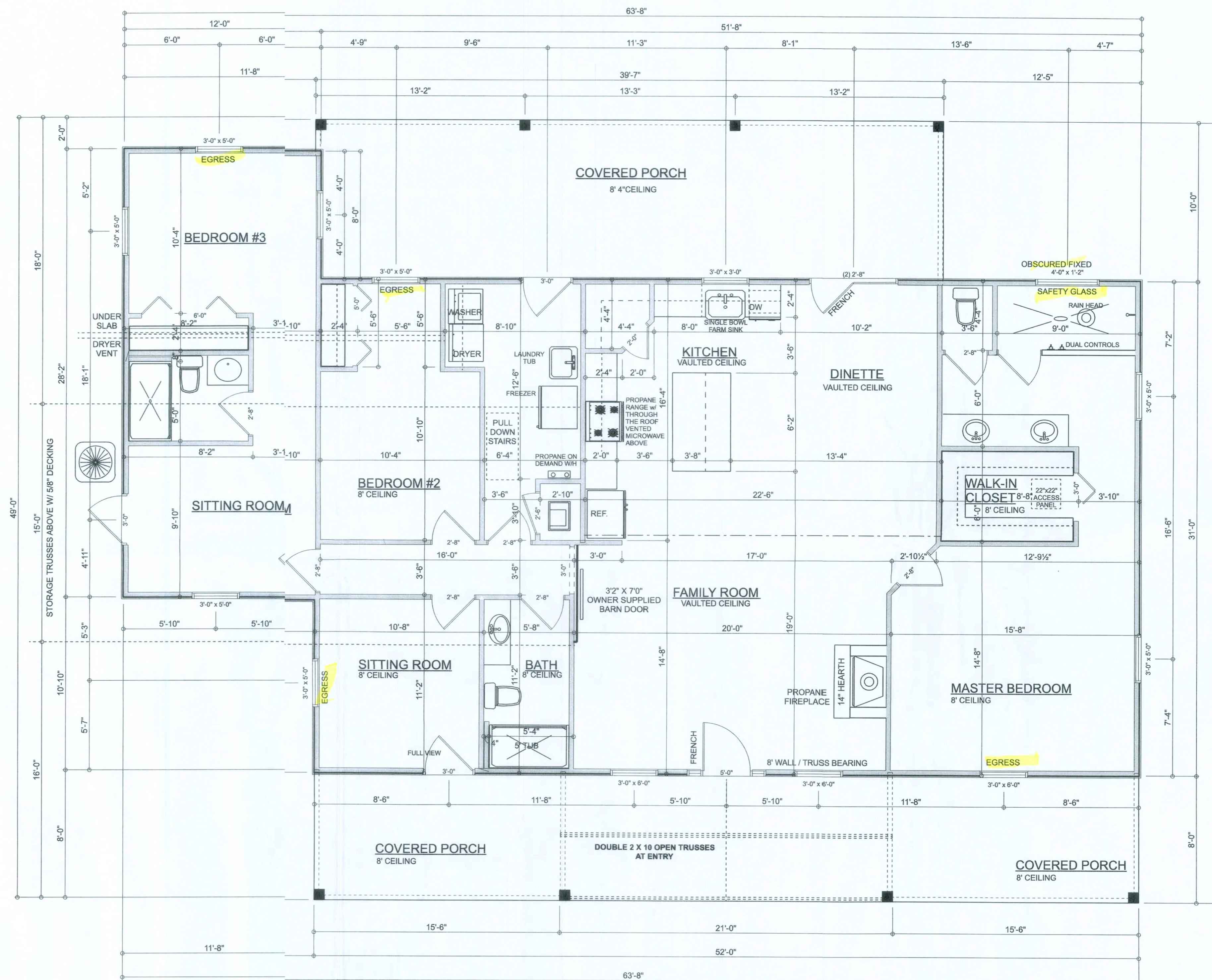


Erkinger Construction
Group
Patrick K. and Linda A.
Sitters Residence
ADDRESS:
Parcel#
31-4S-1'-08921-001
TBD Vester Road
Lake City, FL 32024
Columbia County
PRINTED DATE:
Tuesday, December 1, 2020
DRAWN BY:
Matthew A Erkinger Sr.
DRAWING NUMBER
#1
OF 3 SHEETS



TYPICAL DESIGN WALL SECTION
NON - STRUCTURAL DATA

SCALE: 1" = 1'-0"



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

NOTE: STORAGE TRUSSES ABOVE LEFT
SIDE OF CATHEDRAL CEILING

AREA SUMMARY

LIVING AREA	1,969 S. F.
PORCH AREA	793 S. F.
TOTAL AREA	2,762 S. F.

Erkinger Construction
Group

Patrick K and Linda A.
Sitters Residence

ADDRESS:
Parcel#
31-4S17-08921-001
TBD Wester Road
Lake City, FL 32024
Columbia County









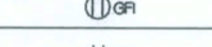

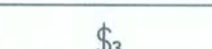










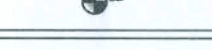
PRINTED DATE:
Tuesday, December 1, 2020

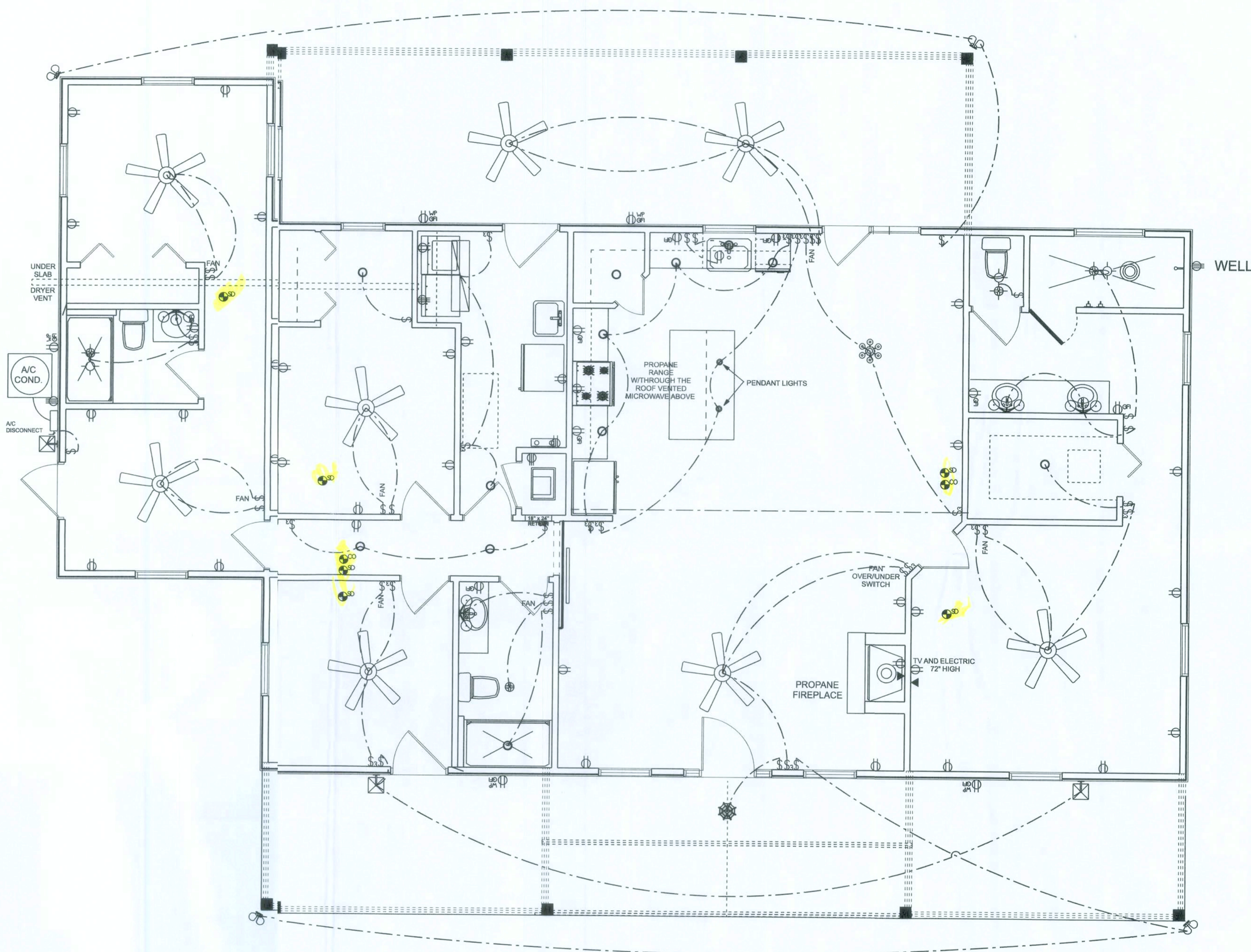
DRAWN BY:
Matthew A. Erkinger Sr.

DRAWING NUMBER

#2

OF : SHEETS

ELECTRICAL LEGEND	
ELECTRICAL	SYMBOL
AC Disconnect	
com data TV	
fan - ath fan light	
fan - ath fan	
light can light	
light exterior spotlights	
light fluorescent 1 x 4	
outlet	
outlet 220v	
outlet WP	
outlet gfi	
switch	
switch 3 way	
ceiling fan 5 bladed 01	
ceiling drop 2	
chandelier 01	
chandelier 02	
pendant globe	
exterior craftsman light fixture	
wall mounted 01 3 lights	
detector - CO	
detector - smoke	



Erkinger Construction
Group

Patrick K. and Linda A.
Sitters Residence

ADDRESS:
Parcel#
31-4S-1'-08921-001
TBD Wester Road
Lake City, FL 32024
Columbia County

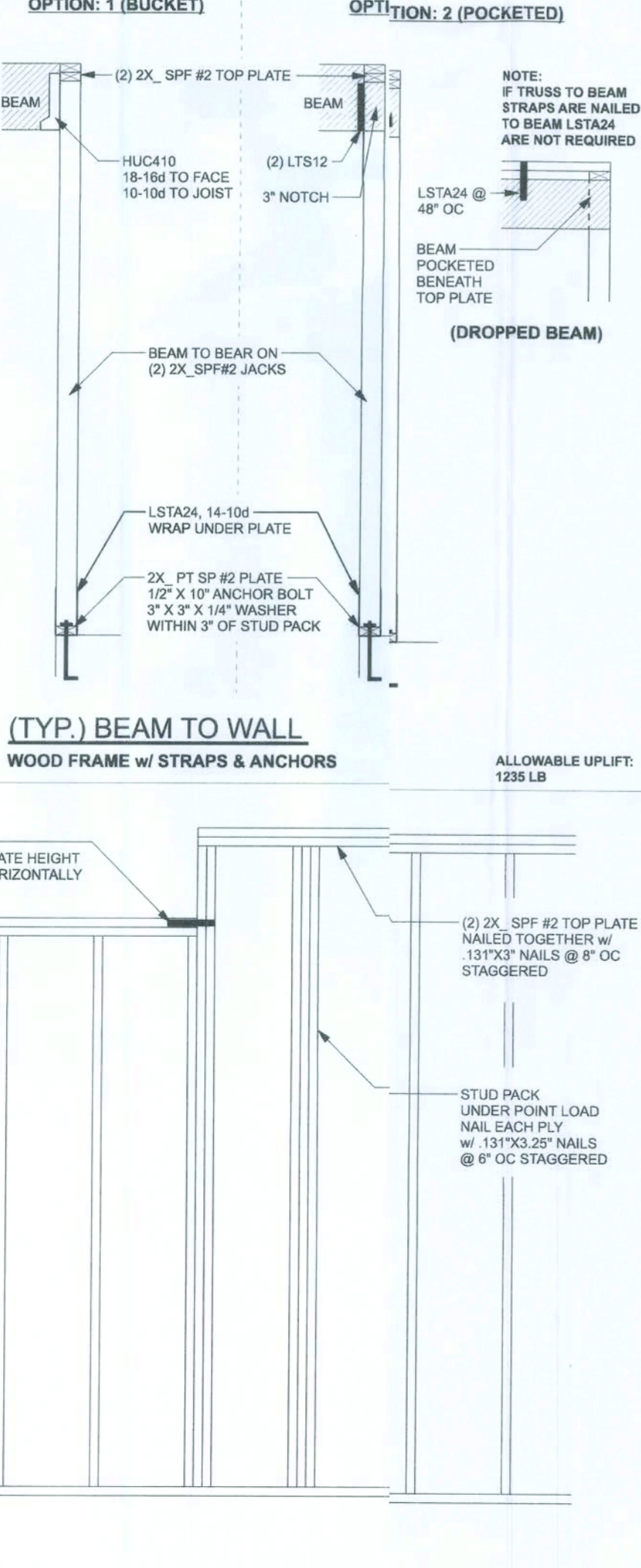
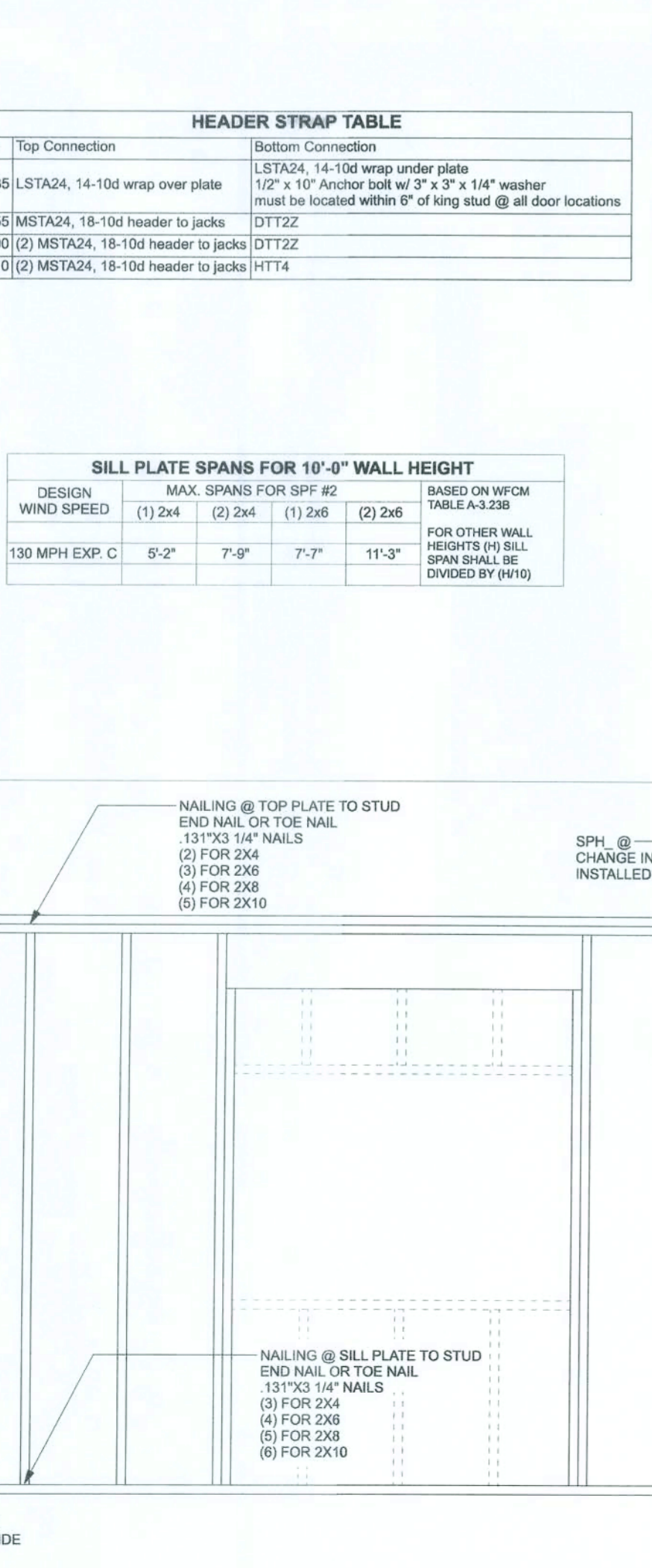
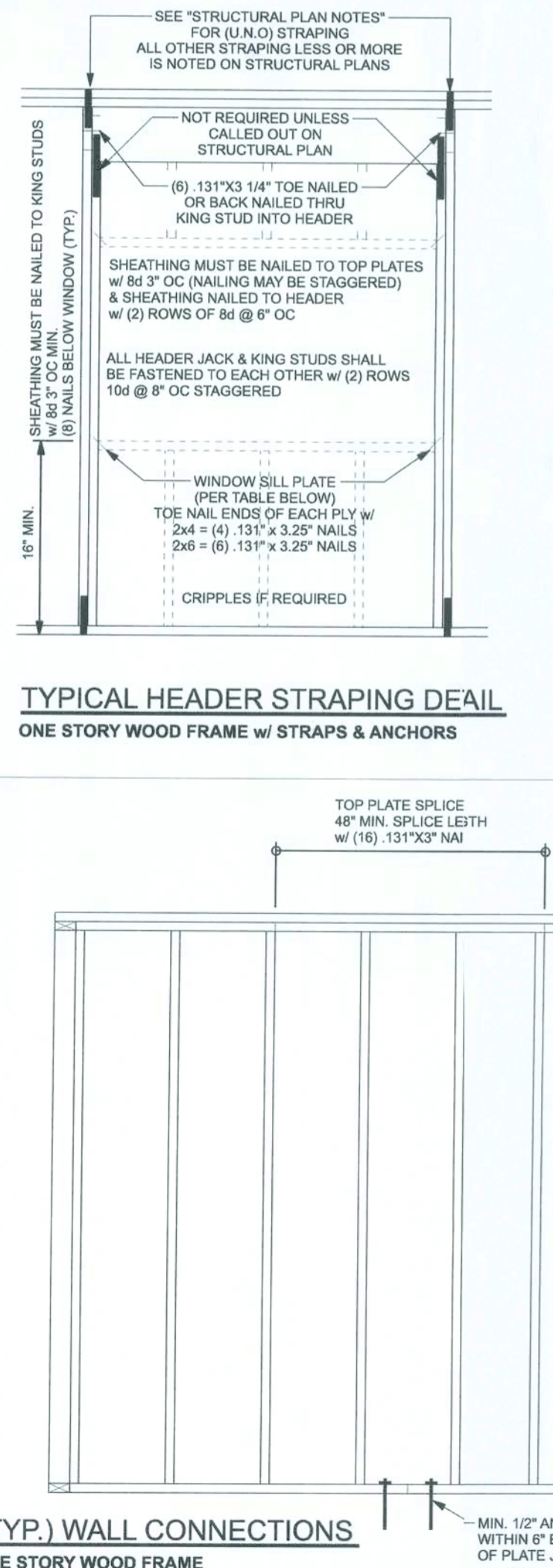
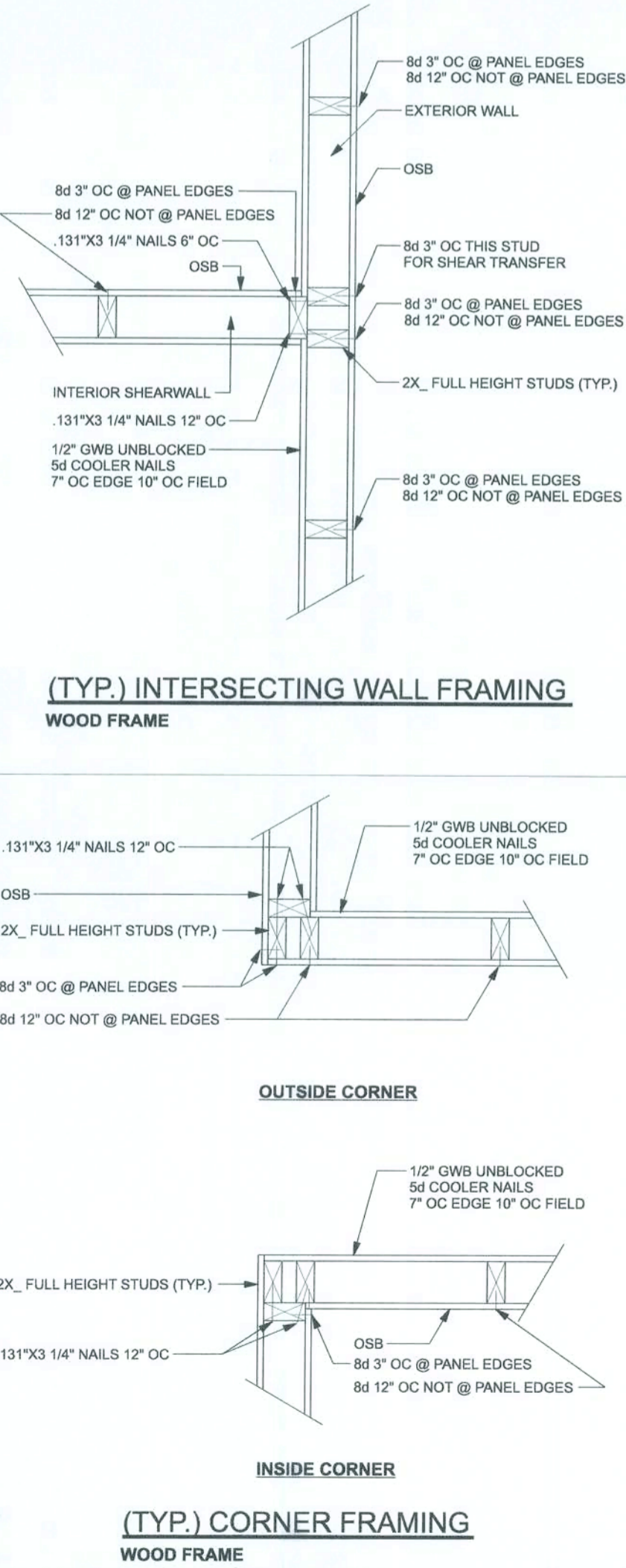
PRINTED DATE:
Tuesday, December 1, 2020

DRAWN BY:
Matthew A Erkinger Sr.

DRAWING NUMBER

#3

OF 3 SHEETS



DESIGN CRITERIA & LOADS:			
BUILDING CODE		6TH EDITION FLORIDA BUILDING CODE RESIDENTIAL (2017)	
CODE FOR DESIGN LOADS		ASCE 7-10	
WINDLOADS			
BASIC WIND SPEED (ASCE 7-10, 3S GUST)		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&C 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	

COMPONENT & CLADING DESIGN PRESSURES 130 MPH (EXP C)			
EFFECTIVE WIND AREA (FT2)	ZONE 4 INTERIOR	ZONE 5 END 4' FROM ALL OUTSIDE CORNER	
0 ~ 20	+25.6(Veasd)	+25.6(Veasd)	-34.2(Veasd)
0 ~ 20	+42.6(VuId)	+42.6(VuId)	-57(VuId)

**ERKINGER
CONSTRUCTION GROUP**

**Patrick K. and Linda A.
Stiers Residence**

PROJECT ADDRESS:
Pinecrest 3148-1 08921-0004
Weston, Florida 33392
Columbia County

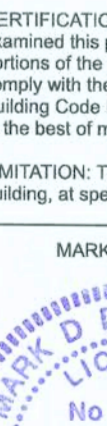
DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. in resolution. Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disoway, P.E. hereby expressly reserves all common law copyrights and property right in these instruments of service. This document is not to be reproduced, stored or copied in any form or manner without first the express written permission and consent of Mark Disoway.

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 Enkiron Florida Building Code Requirements (2017) to the best of my knowledge.

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

MARK DISOWAY P.E. 53915



Tuesday, December 1, 2020

**Mark Disoway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disowaydesign@gmail.com**

JOB NUMBER:
20'31N

\$-1

OF 3 SHEETS

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 Fm = 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 16"x16" column block
2.3	Clay brick standard	ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5"
2.4	Reinforcing bars, #3 - #11	ASTM 615, Grade 40, Fy = 40 ksi, Lap splices min 40 bar dia, (25" for #6)
2.4F	Coating for corrosion protection	Anchors, steel metal ties completely embedded in mortar or grout, ASTM A525, Class 350, 0.60 oz/lb or 345SS
2.4F	Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wire ties, anchors, steel 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.

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.

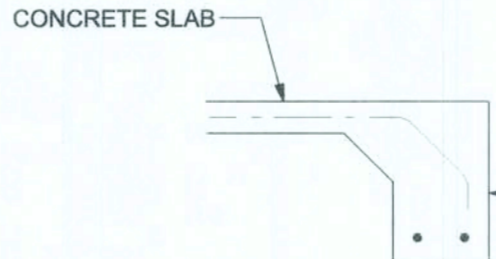
STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)				VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)			
		#5	#7	#8	#5	#7	#8	#5	#8
3.3	3.0	96	96	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96	96	96
6.7	6.3	32	56	80	56	96	96	96	96
7.3	7.0	24	40	56	40	80	96	96	96
8.0	7.7	16	32	48	32	64	80	96	96
8.7	8.3	8	24	32	24	48	64	96	96
9.3	9.0	8	16	24	16	40	48	96	96

FOUNDATION PLAN

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

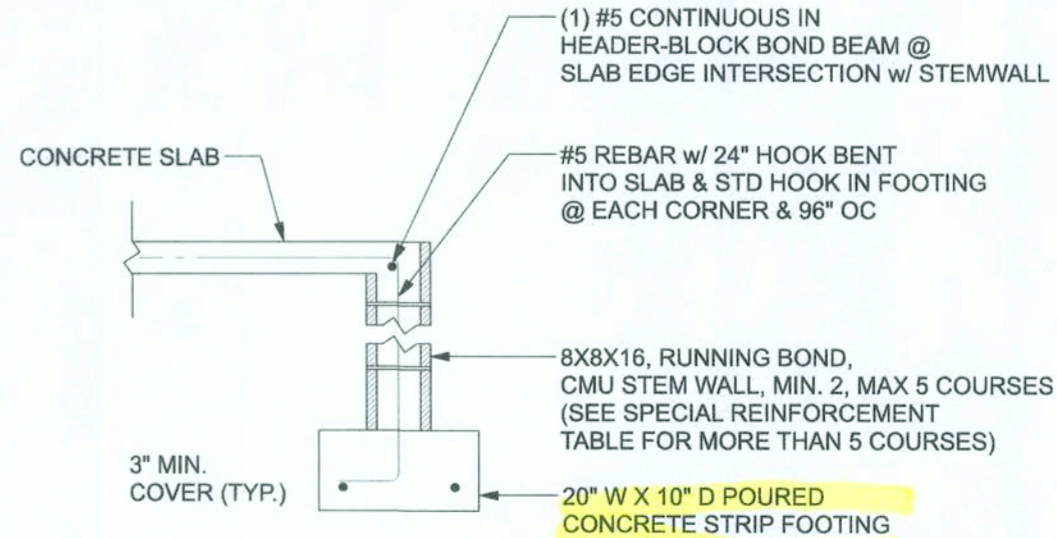
FOUNDATION NOTES

- FN - 1 DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS. RECESSES IN SLAB, STEP DOWNS, ETC. DISOWAY DESIGN GROUP OR MARK DISOWAY, P.E. IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
- FN - 2 CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING WALLS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
- FN - 3 THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED W/ (6) 1/4" I-4 WELDED WIRE MESH PLACED ON CHAIRS @ 1 1/2" DEPTH OR FIBER MESH CONCRETE; 6-MIL POLY VAPOR BARRIER W/ 6" LAPS SEALED W/ POLY TAPE OVER TERMITES-TREATED & COMPACTED FILL.



OPTIONAL MONOLITHIC FOOTING

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



STEM WALL FOOTING

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

BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL PER FBC 2017-RES. SECTION R403.1.4

ERKINGER
CONSTRUCTION GROUP

Patrick K. and Linda A.
Sliters Residence

PROJECT ADDRESS:
Parcel # 3145.170821-001
Wesleyan Court, 32024
Columbia County

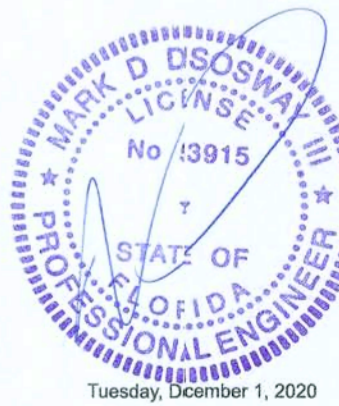
DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. at resolution. Do not proceed without clarification.

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.

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 (2017) to the best of my knowledge.

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

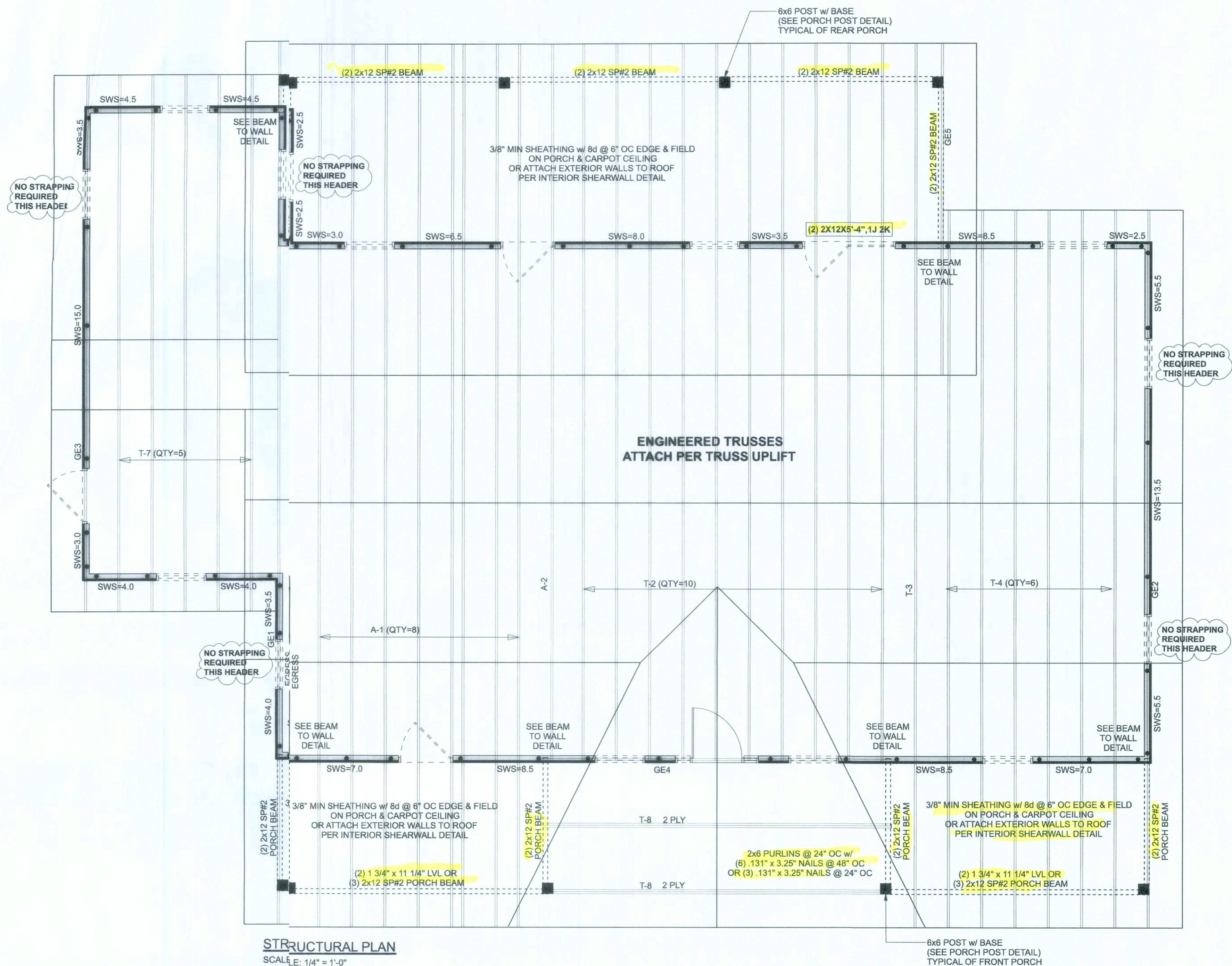
MARK DISOWAY P.E. 53915



Mark Disoway P.E.
163 SW Mdtown Place
Suite 103
Lake City, Florida 32025
386.54.5419
disowaydesign@gmail.com

JOB NUMBER:
201311

S-2
OF 33 SHEETS



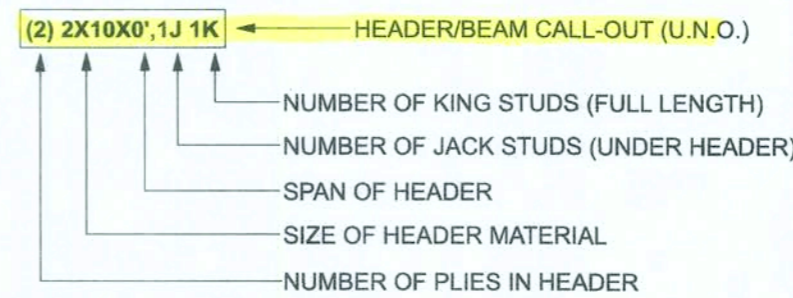
STRUCTURAL PLAN
SCALE: 1/4" = 1'-0"

STRUCTURAL PLAN NOTES

- SN-1-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SP #2 (U.N.O.)
- SN-2-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)
- SN-3-3 ALL HEADERS w/ UPLIFT TO BE STRAPPED DOWN @ EACH SIDE WITH (1) LSTA24, 14-10d @ TOP & BOTTOM OF WALL WRAP UNDER BOTTOM PLATE & OVER TOP PLATE 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.) (OR SEE ROD HOLD DOWN OPTIONS)
- SN-4-4 USE ONE JACK STUD GIRDER SUPPORT PER 2500 LB LOAD
- SN-5-5 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-6-6 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

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

HEADER LEGEND



ACTUAL vs REQUIRED SHEARWALL		
	TRANSVERSE	LONGITUDINAL
ACTUAL	23166 LBF	31680 LBF
REQUIRED	20371 LBF	14007 LBF

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. SEMINOLE TRUSSES, INC. JOB # b52218a 11-10-2020

ERKINGER
CONSTRUCTION GROUP

Patrick K. and Linda A.
Sifers Residence

PROJECT ADDRESS:
Pineapple Ridge, Unit 001
Wesley Road, Lake City, FL 32024
Columbia County

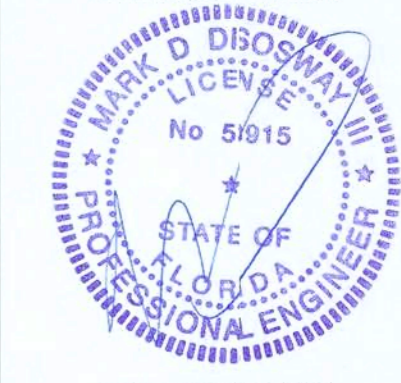
DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disosway, P.E. hereby expressly reserves its common law copyright and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without the express written permission and consent of Mark Disosway.

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 (2017) to the best of my knowledge.

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

MARK DISOSWAY P.E. 53915



Tuesday, December 1, 2020

Mark Disosway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.7545419
disoswaydesign@gmail.com

JOB NUMBER:
201311

S-3
OF 3 SHEETS