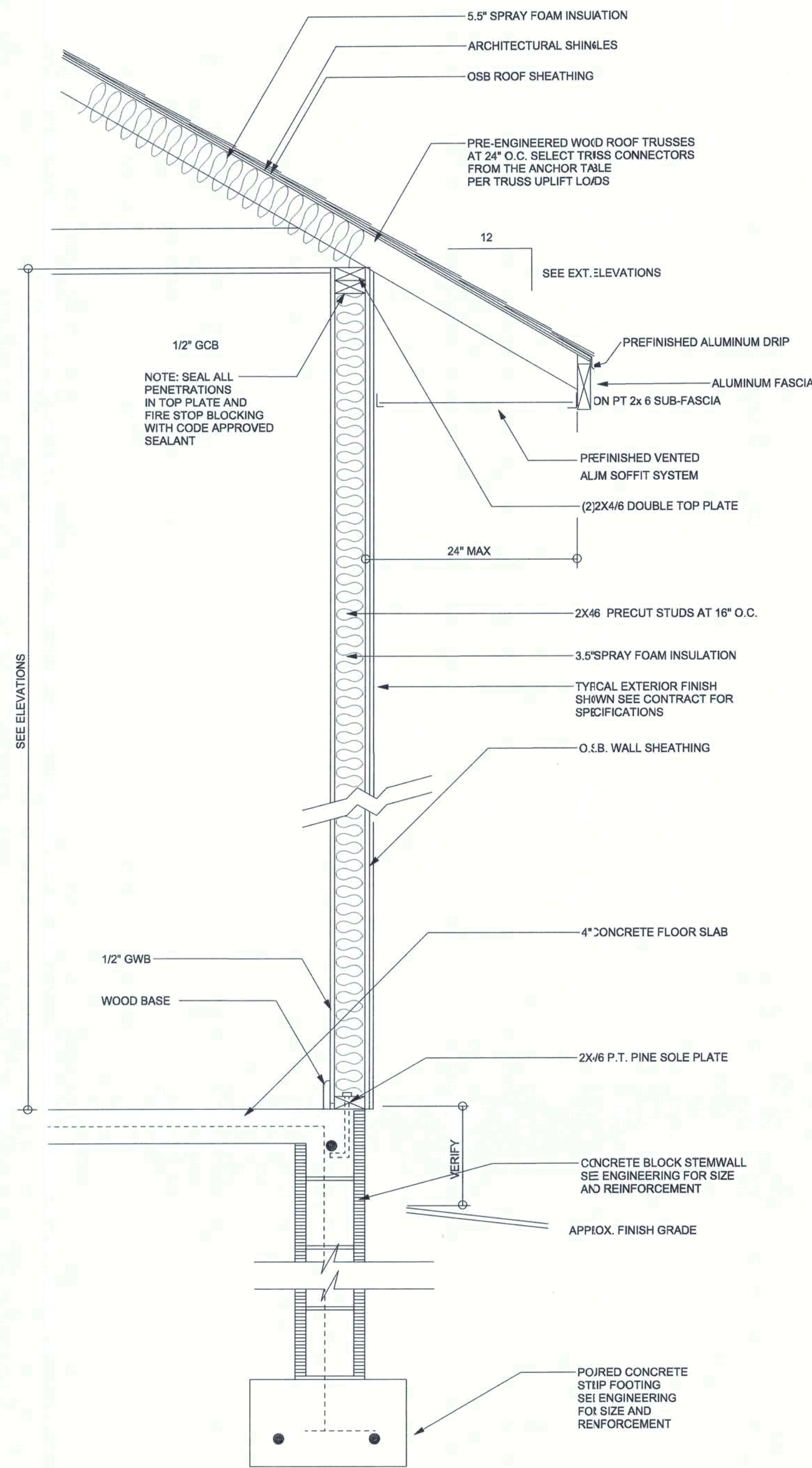
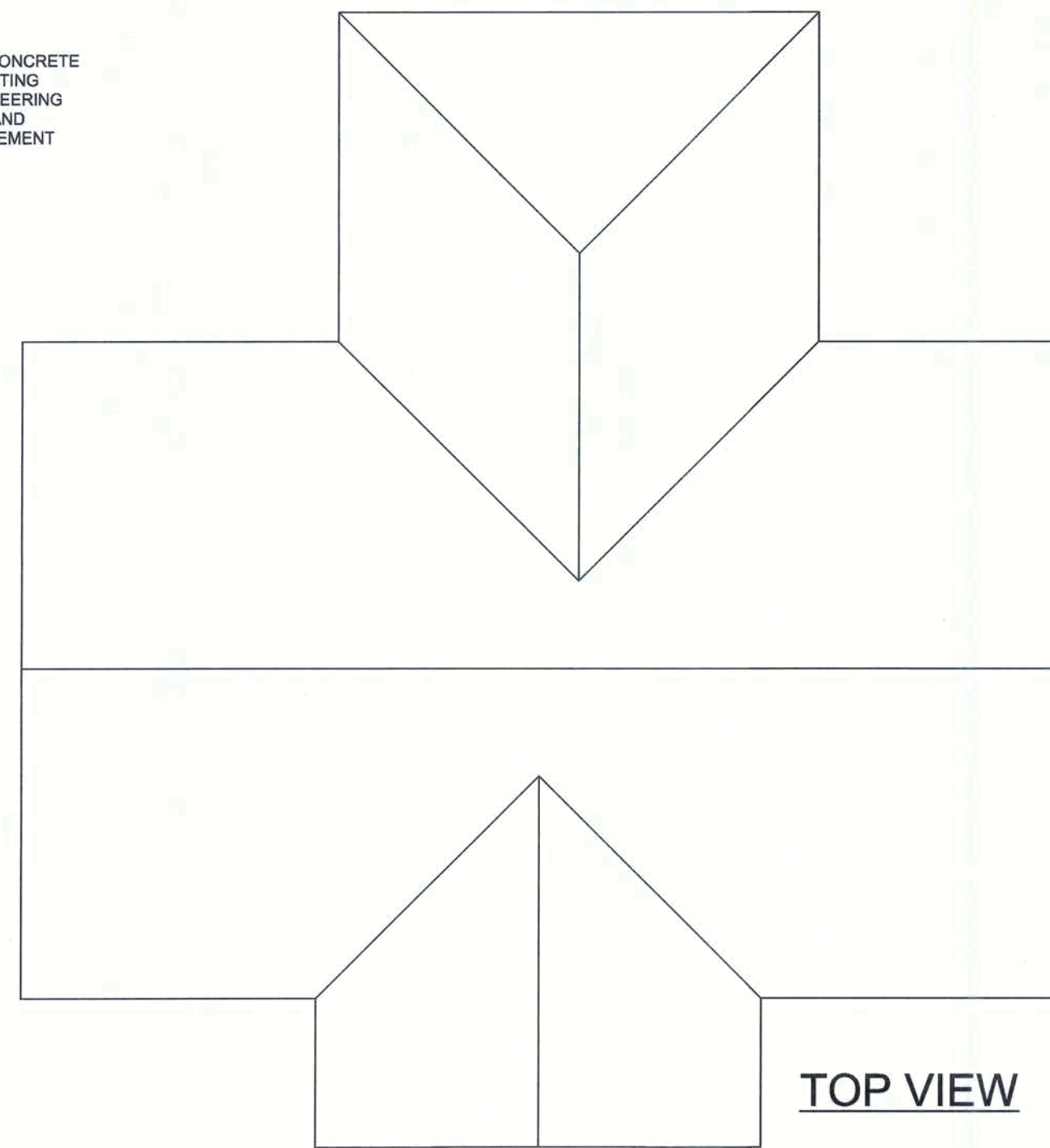


REVISIONS	

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE



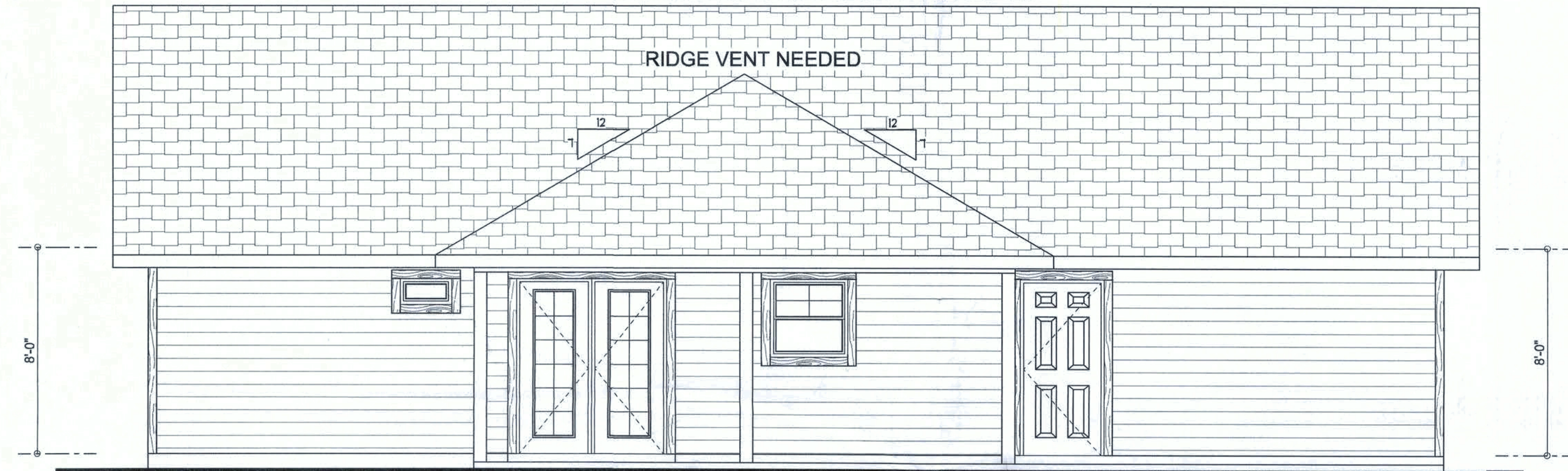
**TYPICAL DESIGN WALL SECTION**  
**NON - STRUCTURAL DATA**  
SCALE: 1" = 1'-0"



SPRAY FOAM INSULATION NO RIDGE VENT NEEDED

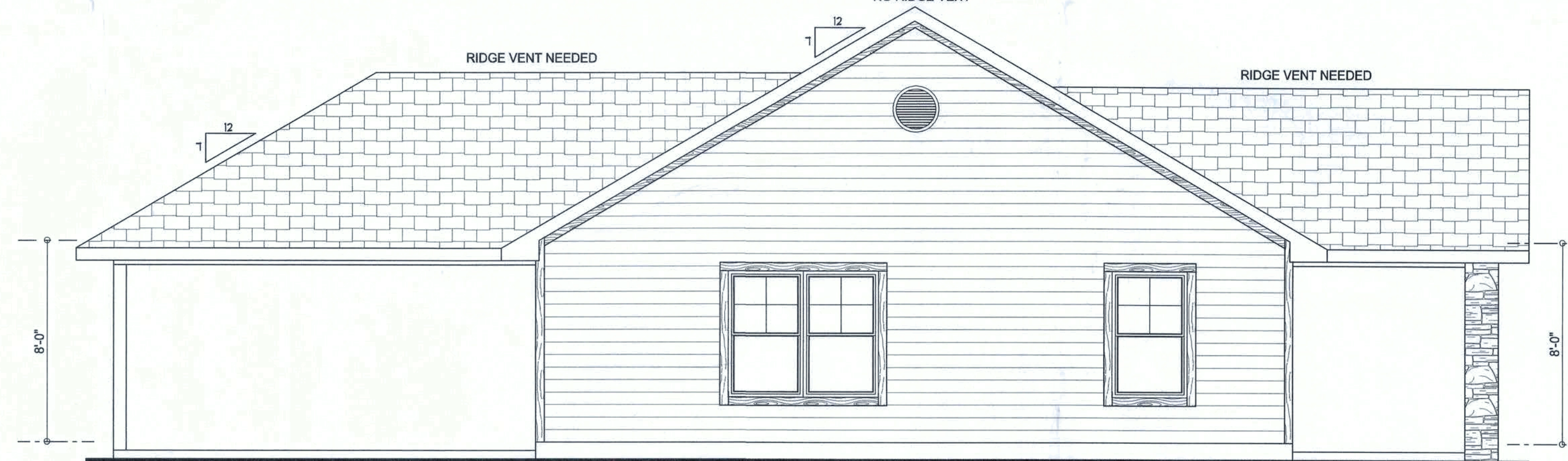


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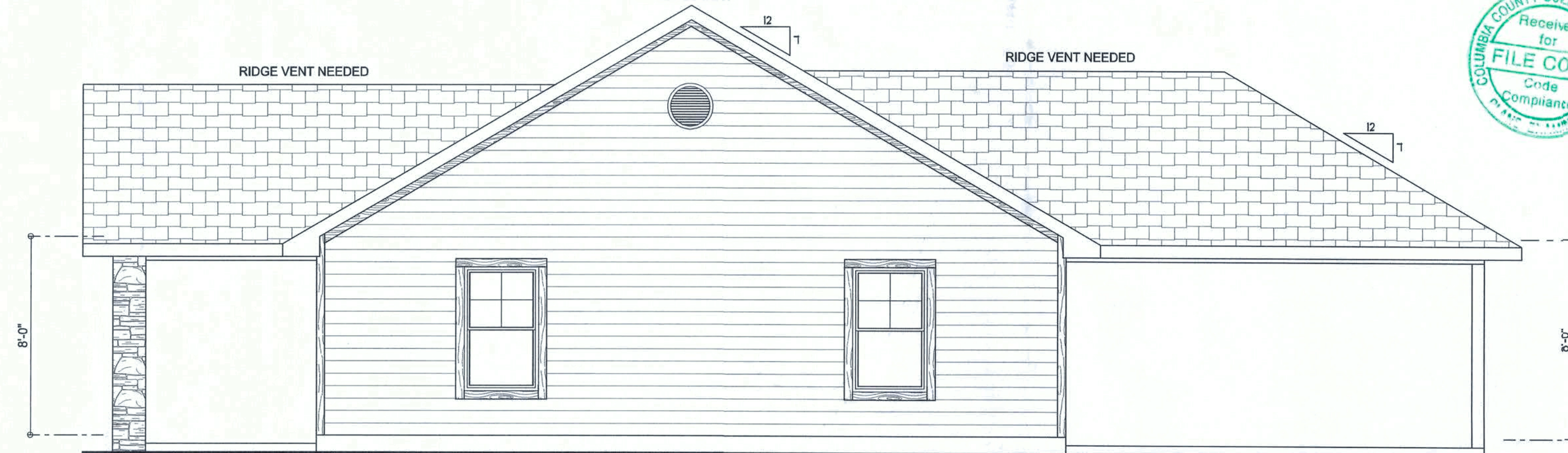


RIDGE VENT NEEDED

SPRAY FOAM INSULATION/  
NO RIDGE VENT

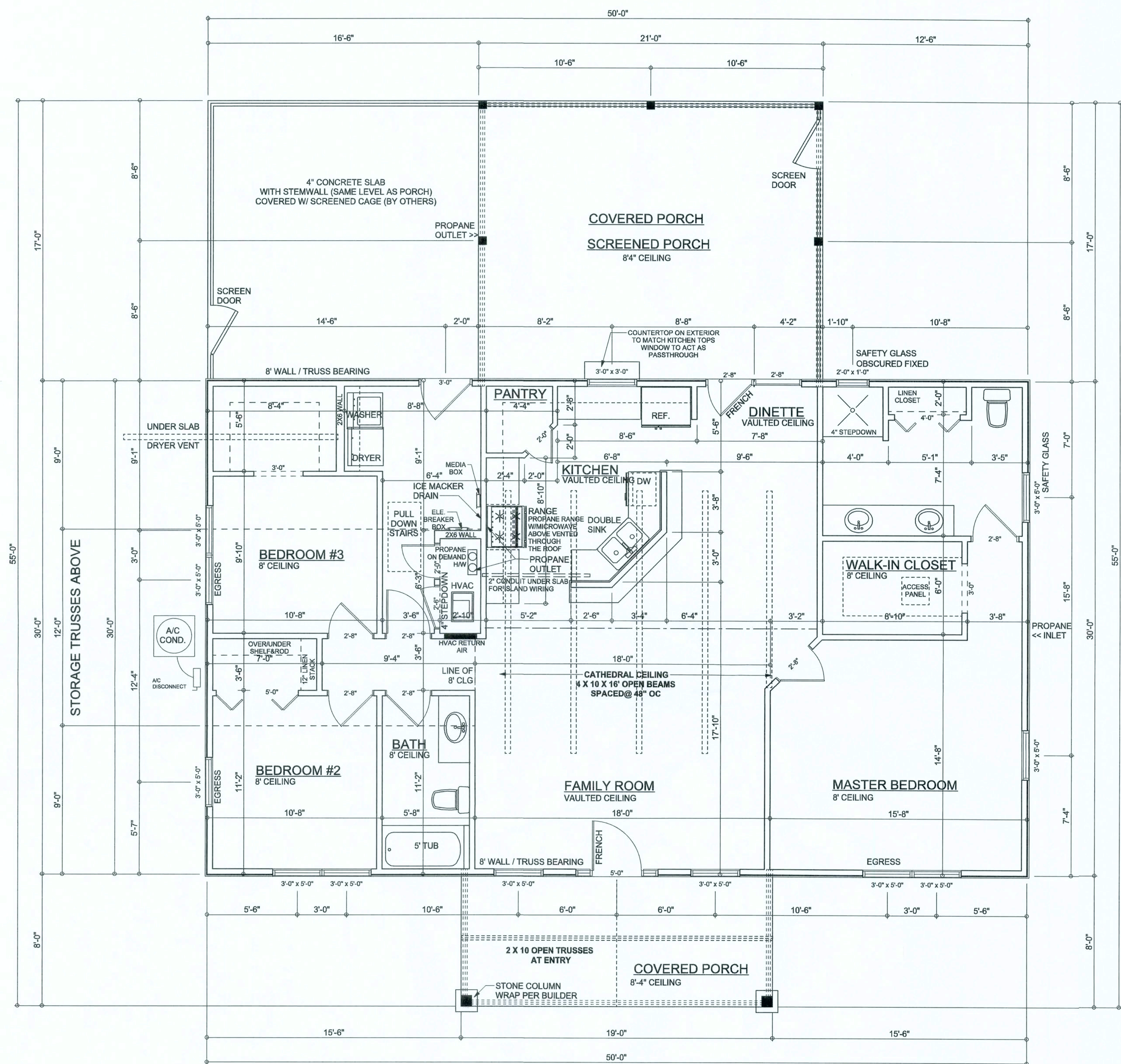


SPRAY FOAM INSULATION/  
NO RIDGE VENT



**Erkinger Construction Group**  
Ryan and Pamela Touchtone  
Residence  
ADDRESS: TBD  
Columbia County, FL  
PARCEL ID# 11-5S-17-09212-000  
PRINTED DATE: October 11, 2019  
DRAWN BY: Matthew A. Erkinger Sr.  
DRAWING NUMBER  
**#1**  
OF 3 SHEETS



**FLOOR PLAN**

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

NOTE: STORAGE TRUSSES ABOVE LEFT  
SIDE OF CATHEDRAL CEILING**AREA SUMMARY**

LIVING AREA	1,520 S . F .
PORCH AREA	504 S . F .
TOTAL AREA	2,024 S . F .

**Erkinger Construction  
Group**Ryan and Pamela  
Touchtone  
Residence  
ADDRESS:  
TBD

Columbia County, FL

PARCEL ID#  
11-5S-17-09212-000PRINTED DATE:  
October 11, 2019DRAWN BY:  
Matthew A. Erkinger Sr.

DRAWING NUMBER

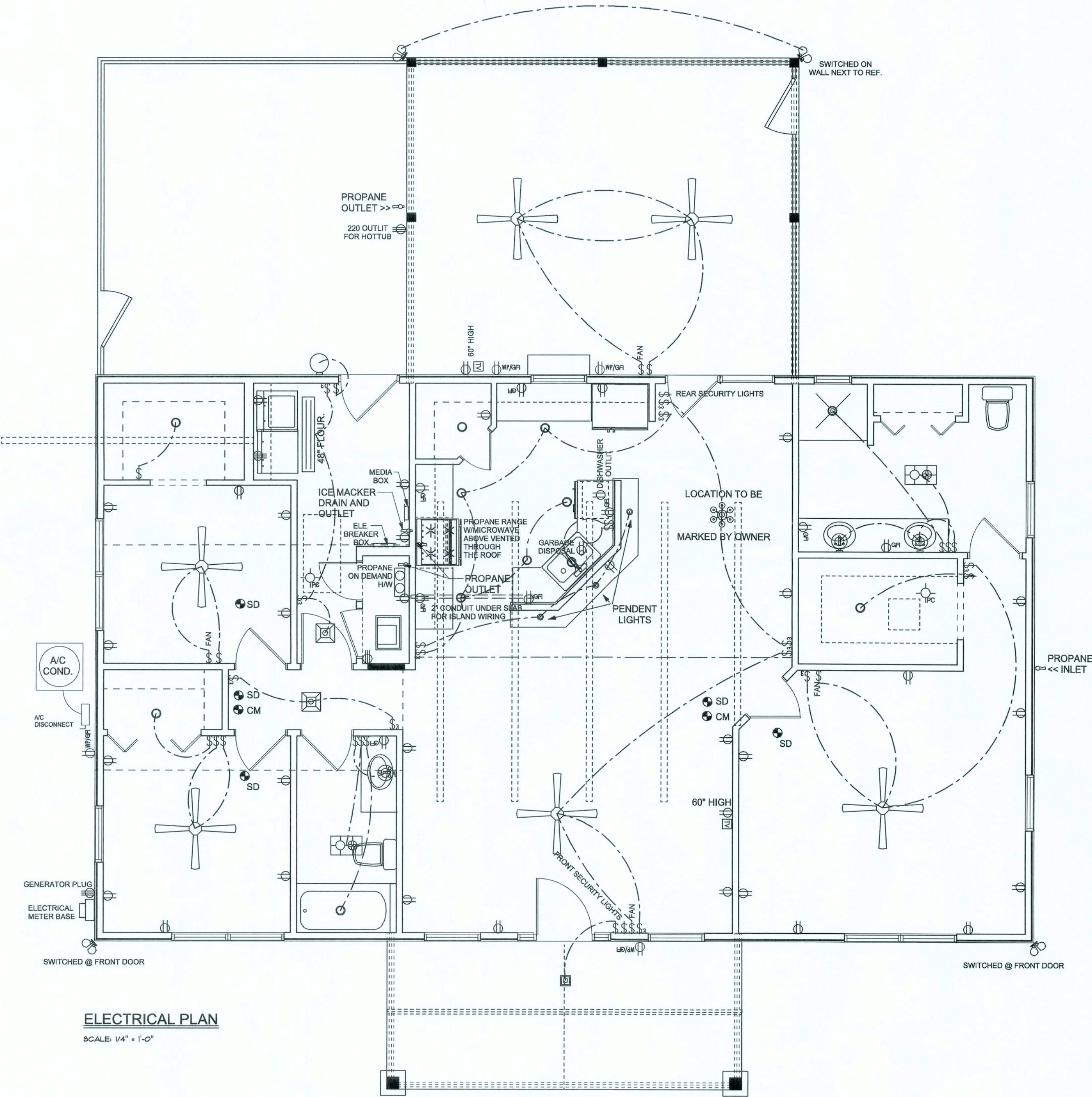
#2

OF 3 SHEETS



REVISIONS	

ELECTRICAL	SYMBOL
electrical panel	
pull chain light	
ceiling shade square	
exterior light 1	
exterior light 5	
chandelier	
double spotlight	
pendant globe	
pendant large	
AC Disconnect	
FLOUWSCENT 2-48IN.	
Fan - Ceiling	
Fan Light - bathroom	
Light - Can	
cable tv outlet	
outlet	
outlet 220v	
outlet gfi	
outlet wp gfi	
switch	
switch 3 way	



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

Erkinger Construction  
Group

Ryan and Pamela  
Touchtone  
Residence  
ADDRESS:  
TBD

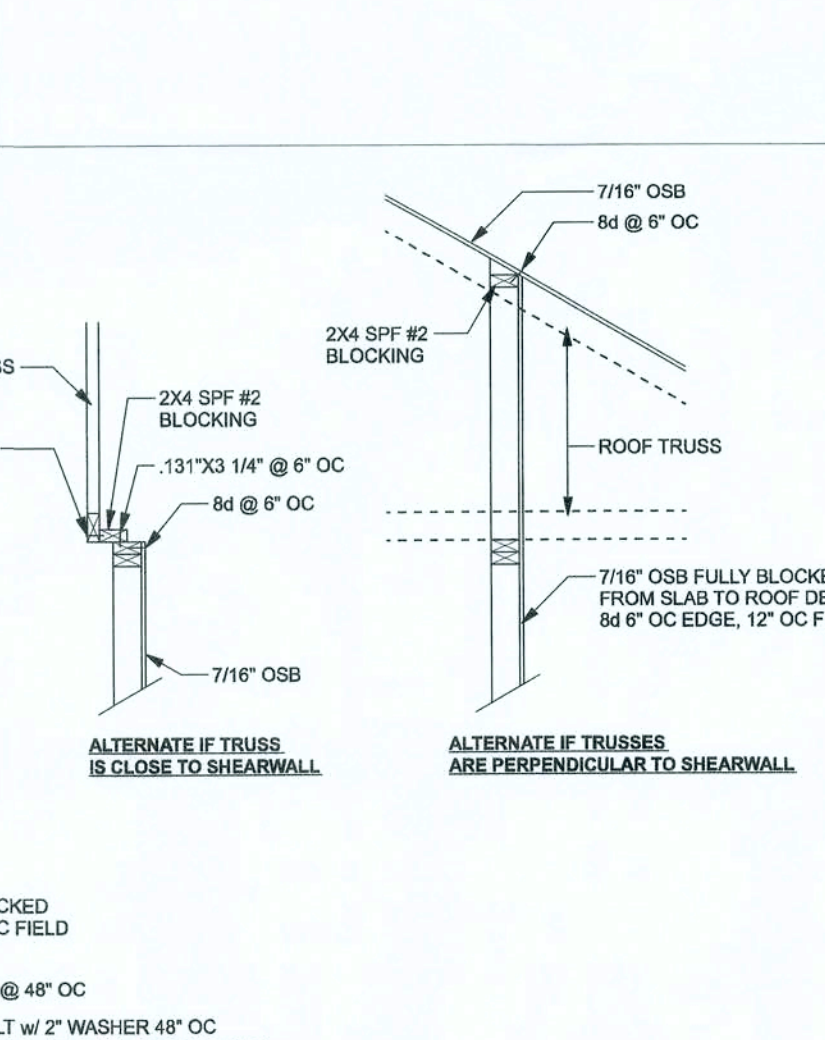
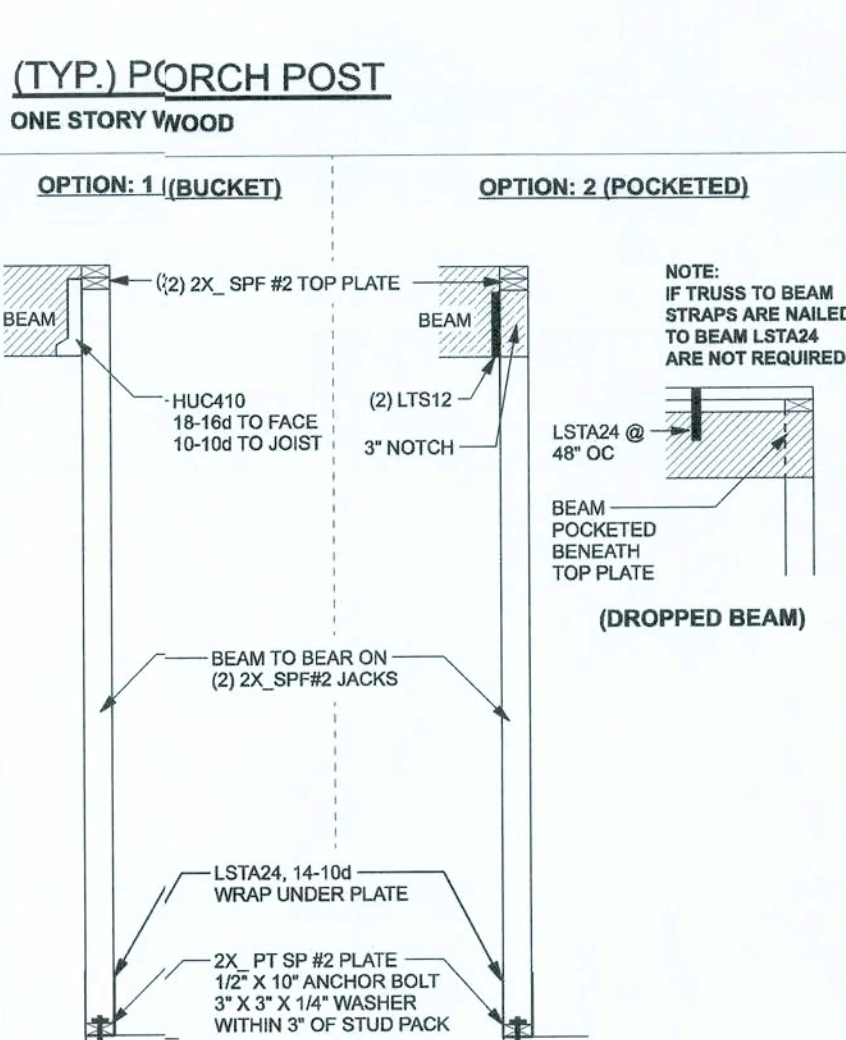
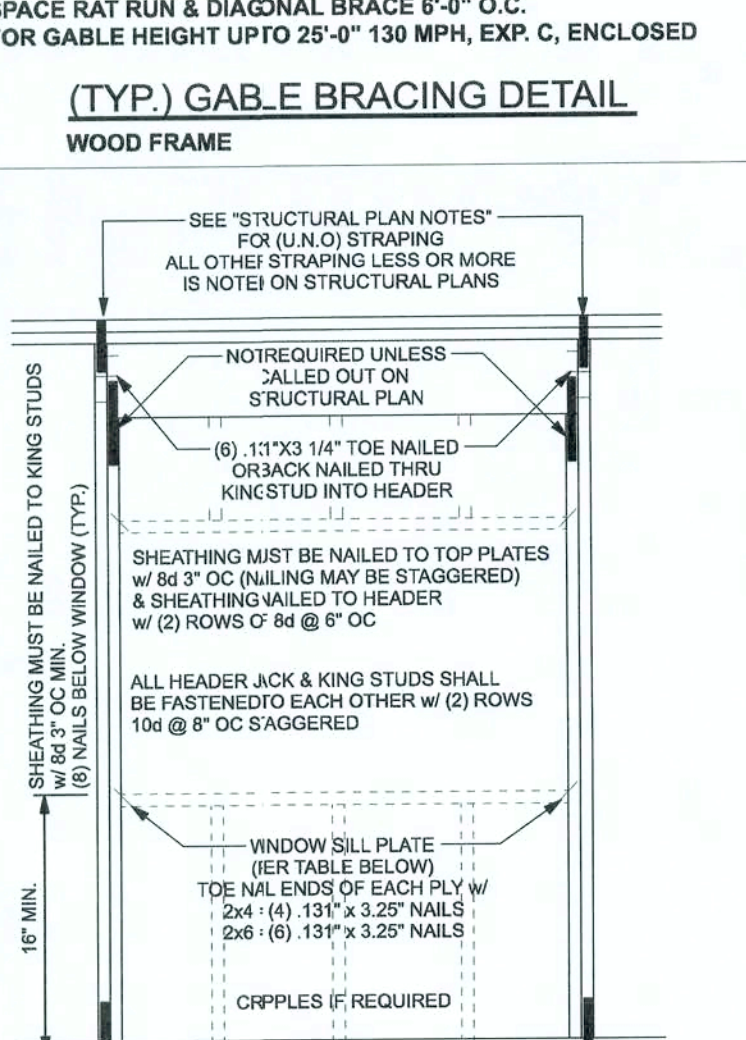
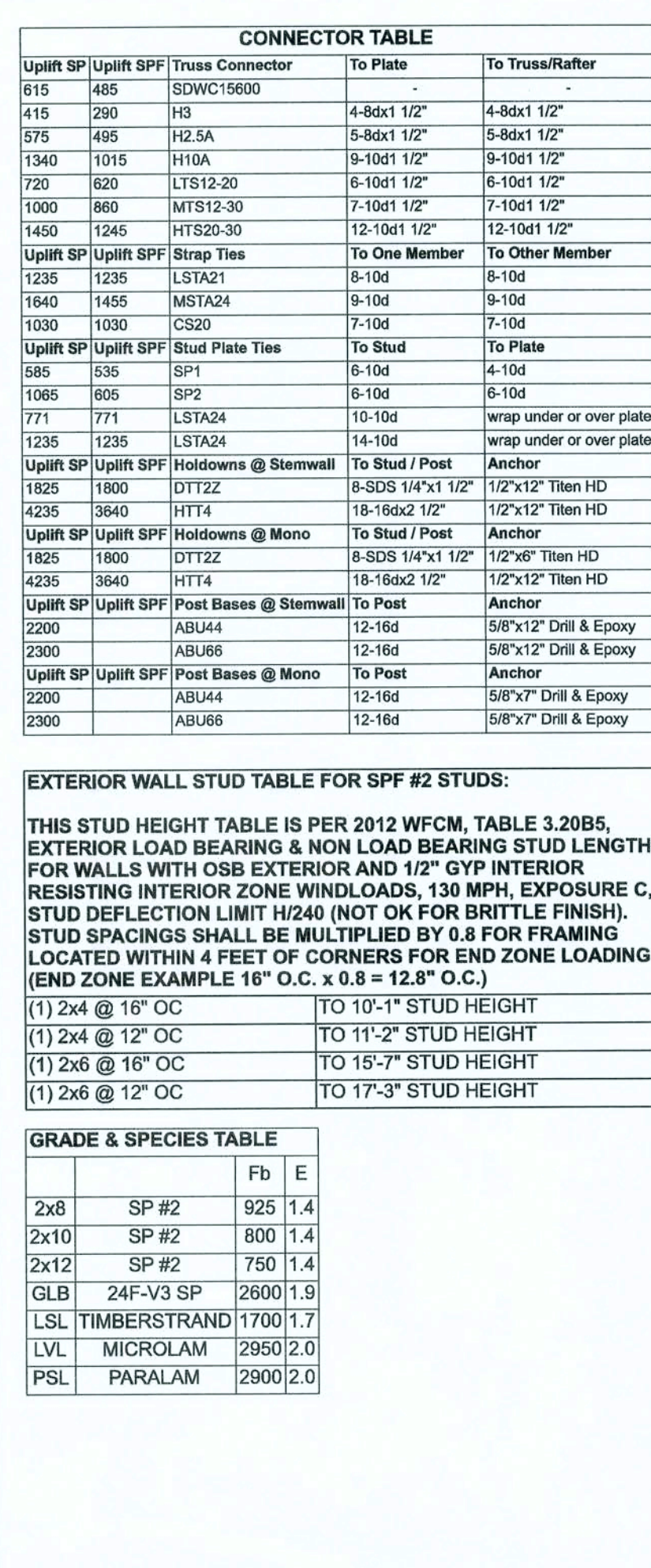
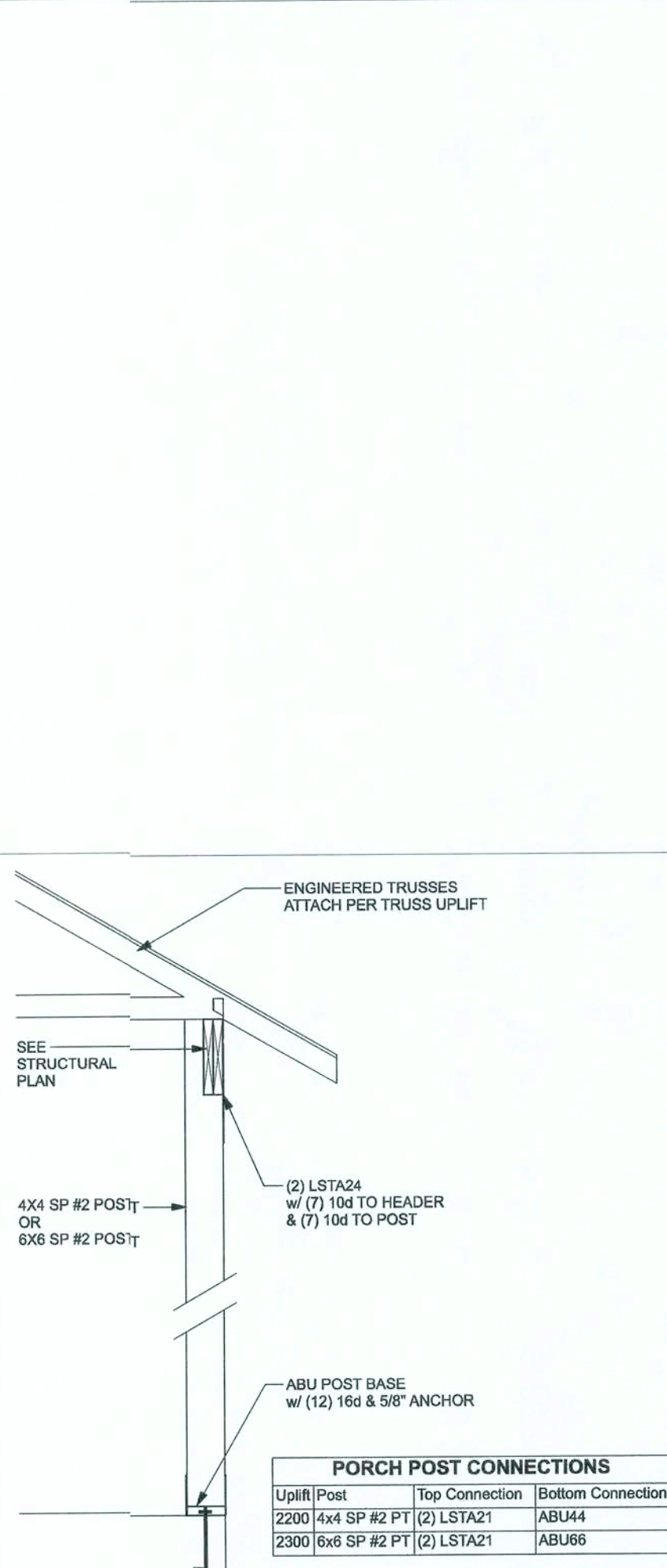
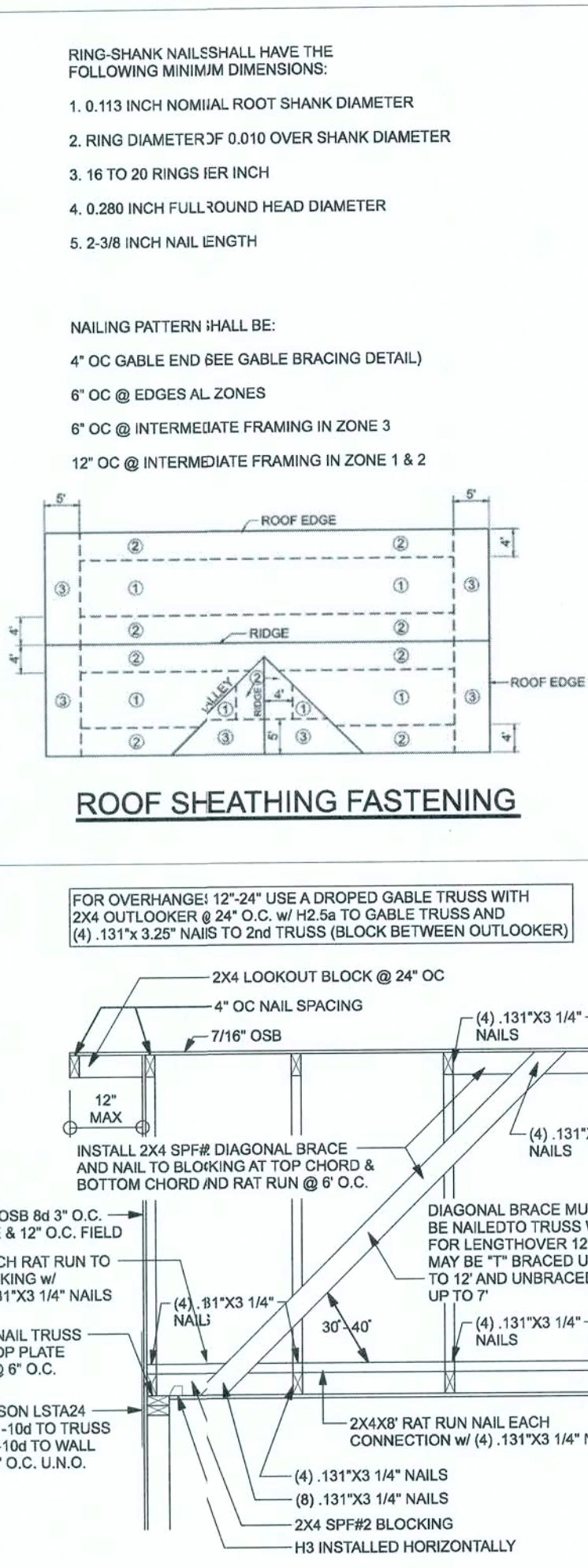
Columbia County, Fl  
PARCEL ID#  
11-5S-17-09212-000

PRINTED DATE:  
October 11, 2019

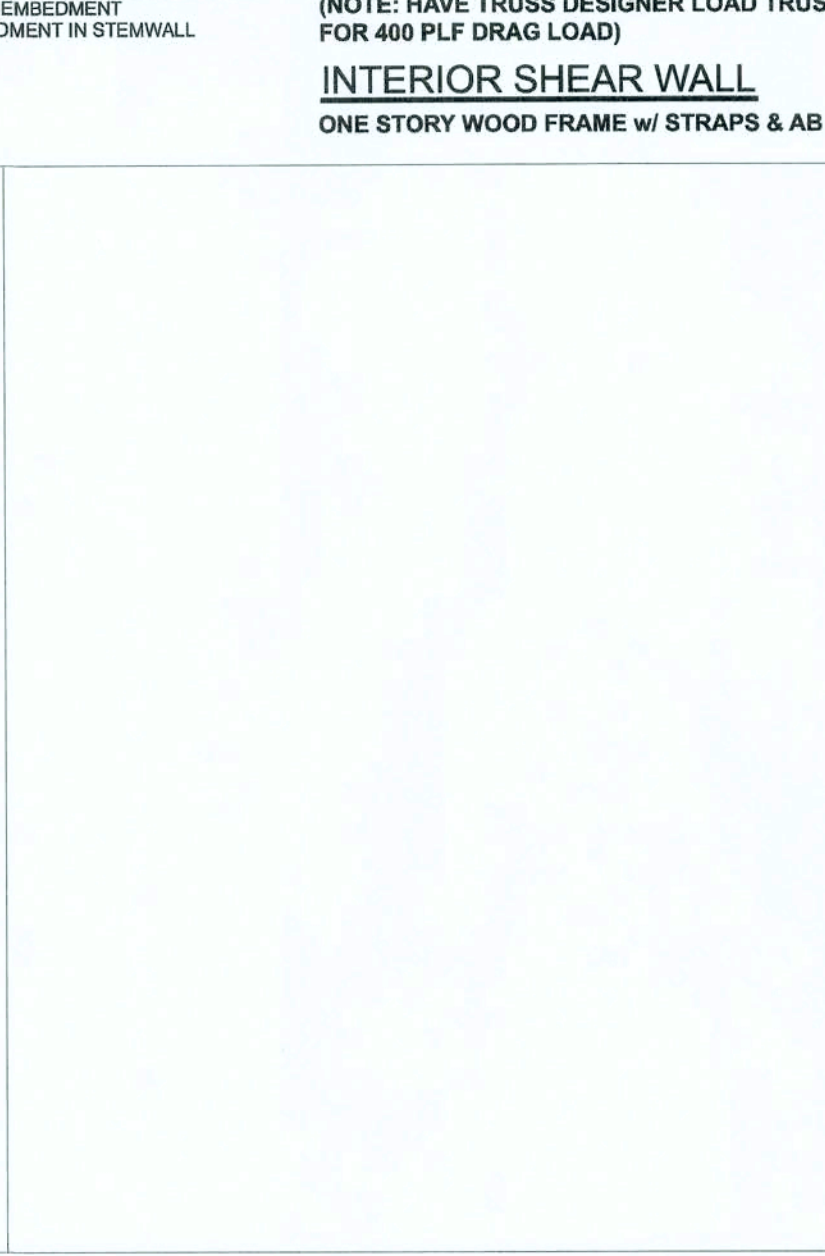
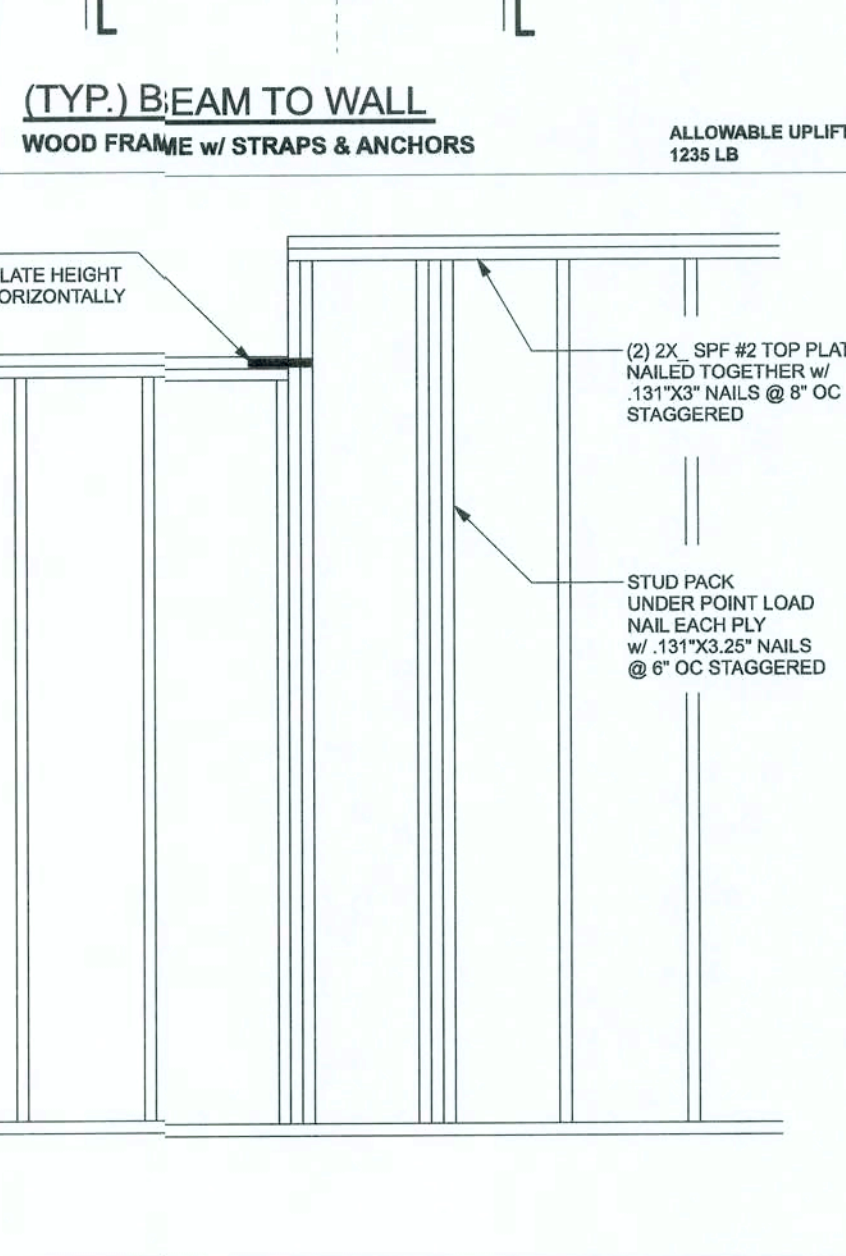
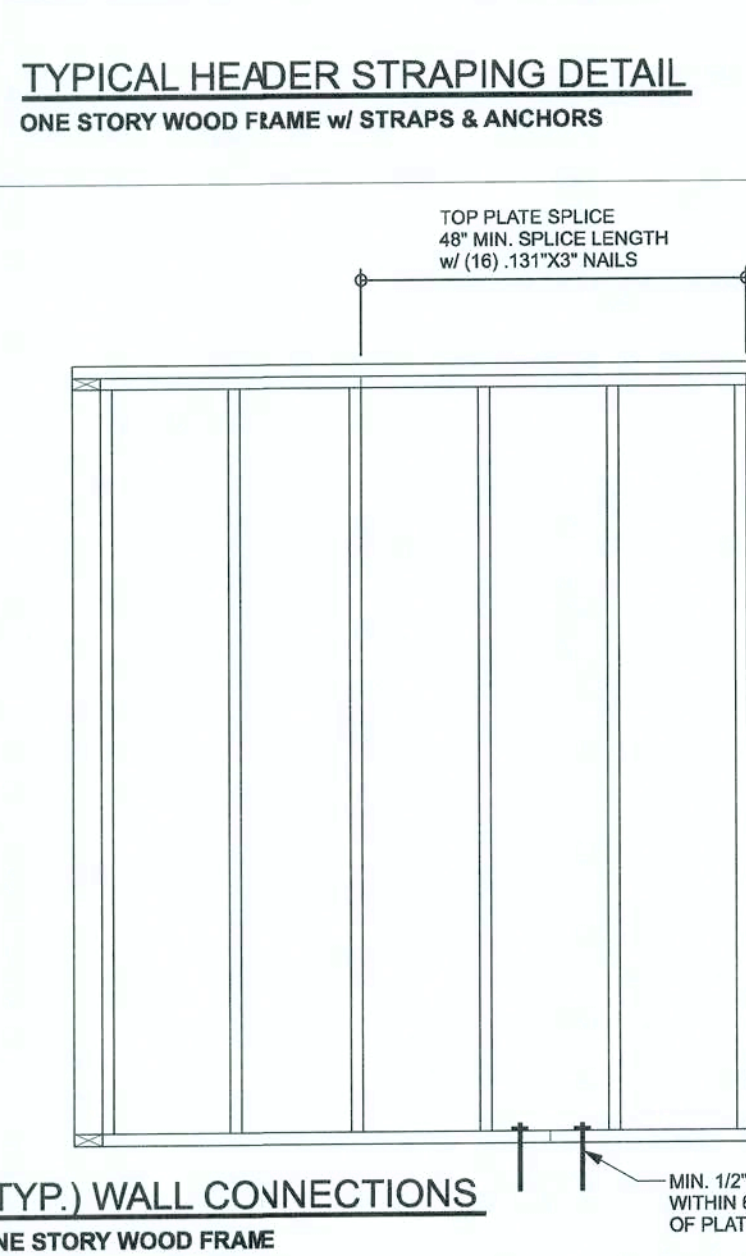
DRAWN BY:  
Matthew A. Erkinger Sr.


DRAWING NUMBER  
#3  
OF 3 SHEETS



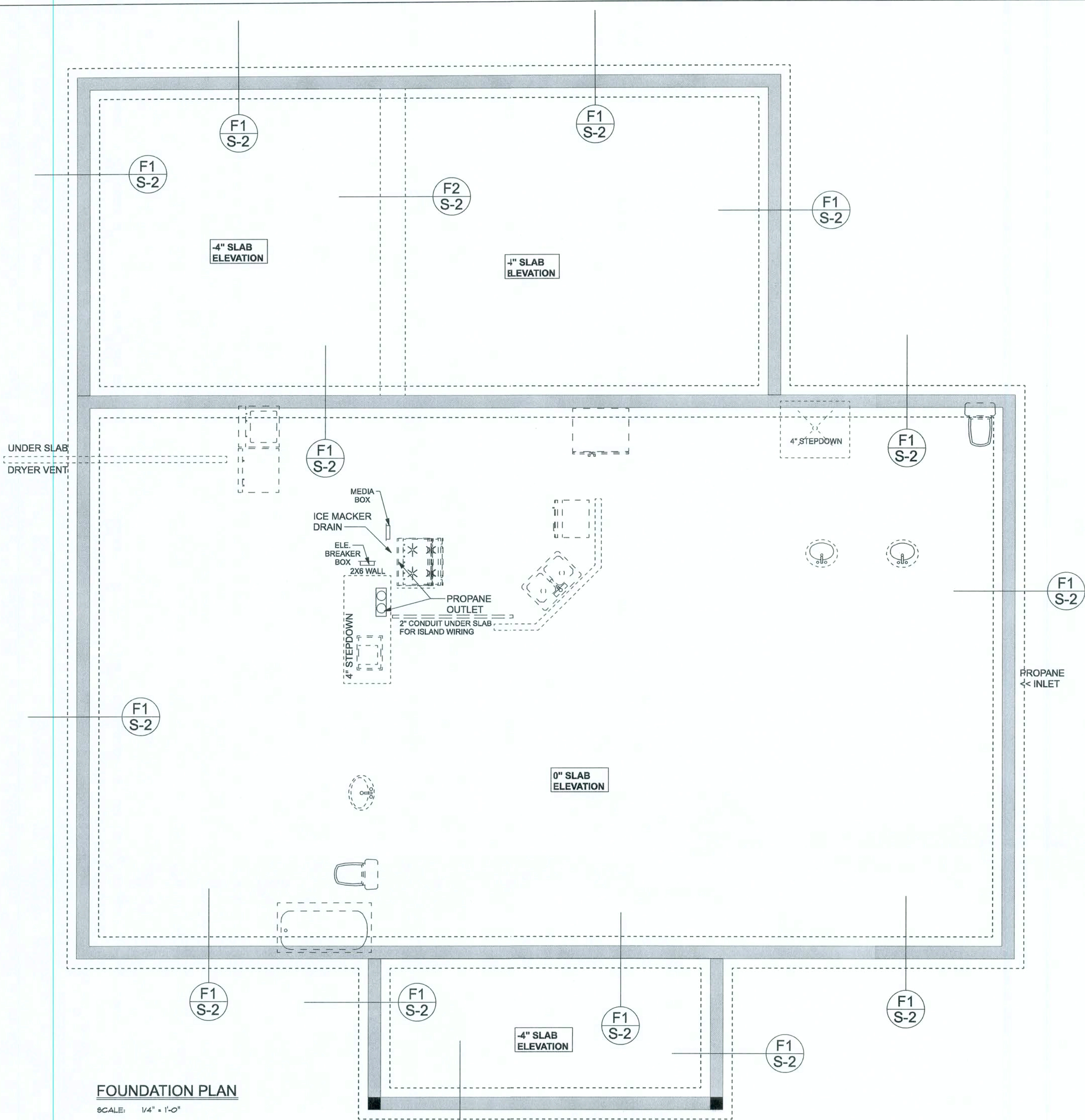


<p><b>ERKINGER CONSTRUCTION GROUP</b></p>	<p><b>Ryan &amp; Pamela Touchtone Residence</b></p>	<p><b>PROJECT ADDRESS:</b></p> <p><b>PARCEL ID#</b></p> <p><b>11-5e-17.0921.2.0001 Columbia County, FL</b></p>
<p><b>DIMENSIONS:</b> Stated dimensions supercede scaled dimensions. Refer all questions to Mark Discovey, P.E. for resolution. Do not proceed without clarification.</p> <p><b>COPYRIGHTS AND PROPERTY RIGHTS:</b> Mark Discovey, P.E. hereby acknowledges reserves</p>		



<p>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 Disowsky.</p> <p><b>CERTIFICATION:</b> I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the Florida Building Code Residential (2017) to the best of my knowledge.</p> <p><b>LIMITATION:</b> This design is valid for one building, at specified location.</p> <p>MARK DISOWSKY P.E. 53915</p>  <p>Friday, October 11, 2019</p>	
<p><b>Mark Disowsky P.E.</b>  <b>163 SW Midtown Place</b>  <b>Suite 103</b>  <b>Lake City, Florida 32025</b>  <b>386.754.5419</b>  <b>disowskydesign@gmail.com</b></p>	
<p><b>JOB NUMBER:</b>  <b>191142</b></p>	
<p><b>S-</b>  <b>OF 2 SHEETS</b></p>	





FOUNDATION PLAN

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

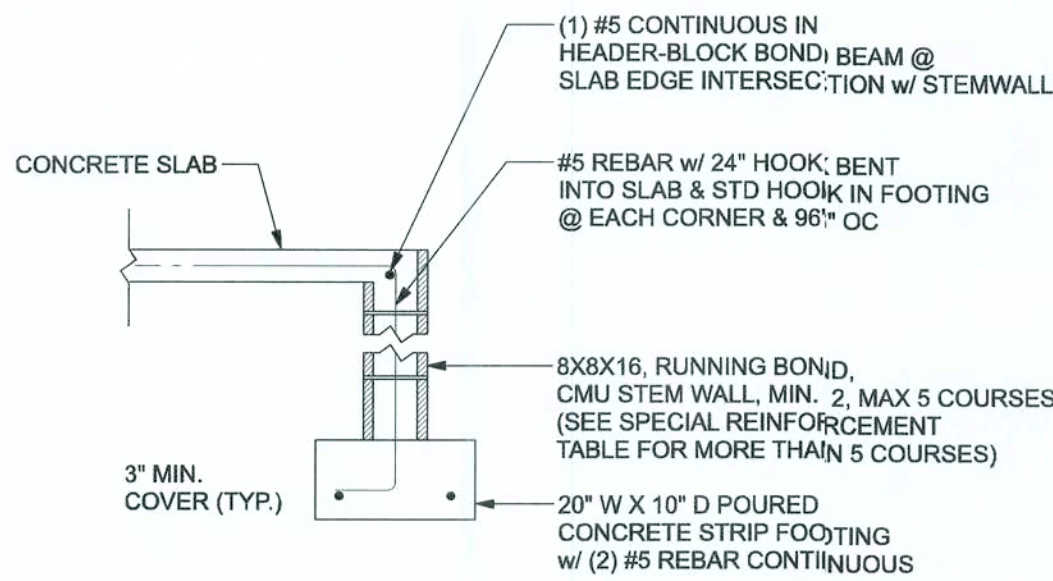
FOUNDATION NOTES

- 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 WALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
- FN-3 THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED W/ #5 @ 14" I.P. A 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 TERMITE-TREATED & COMPACTED FILL.

**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.

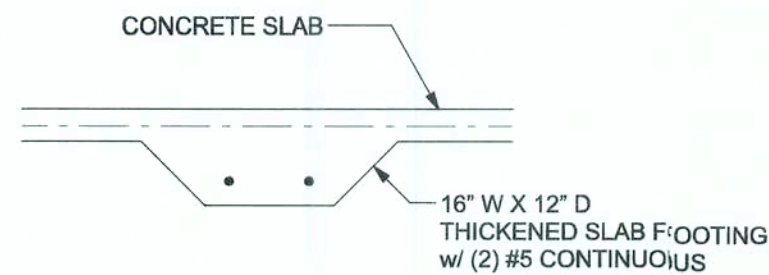
ACI/ASCE Section	Specific Requirements
1.4.A Compressive strength	8" block bearing walls Fm = 1500 psi
2.1 Mortar	ASTM C 270, Type N, UNO
2.3 Grout	ASTM C 416, admixtures require approval
2.3 CMU standard	ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block
2.3 Clay brick standard	ASTM C 216-02, Grade 40, Type FBS, S 2x2 75x11.5"
2.4 Reinforcing bars, #3 - #11	ASTM A 615, Grade 60, Fy = 40 ksi, Lap splices min 40 bar dia, (25" for #5)
2.4F Coating for corrosion protection	Anchors, sheet metal ties completely encased 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.B.2 Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.
3.3.E.1 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 PER FBC 2014-RES. SECTION R403.1.4



F1 S-2 STEM WALL FOOTING

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



F2 S-2 INTERIOR BEARING FOOTING

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 slab at the top. Tie 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 1#5 continuous at mid height. For higher parts of the wall 1/2" CMU may be used with reinforcement as shown in the table below.

STEMWALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (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	66	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

STRUCTURAL PLAN

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

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 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 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.)
- SN-4 USE ONE JACK STUD GIRDER SUPPORT PER 2500 LB LOAD
- SN-5 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-6 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BC511-03, BC511-01, BC511-02, & BC511-03. BC511-01, BC511-02, & BC511-03 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

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

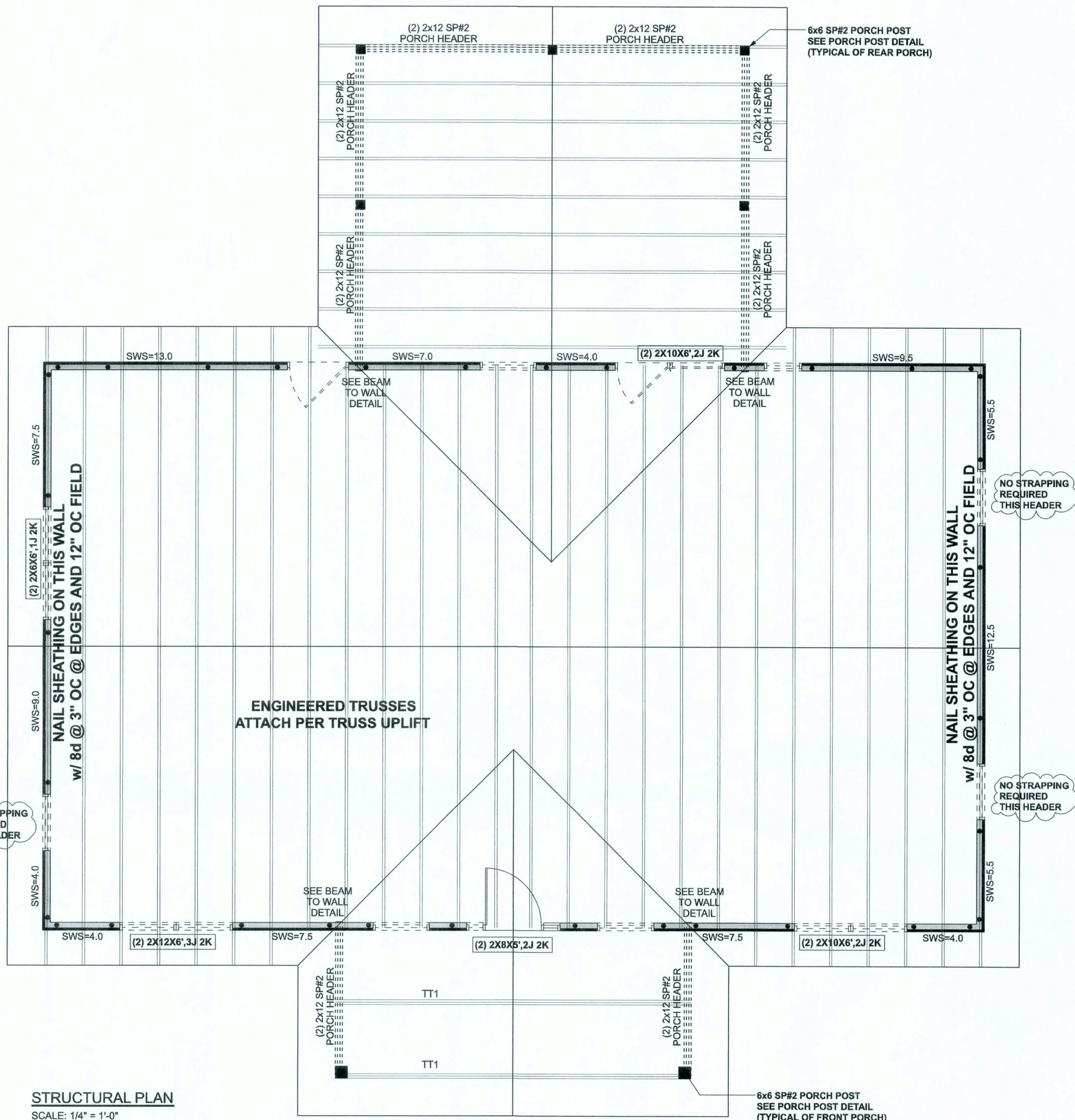
HEADER LEGEND

- (2) 2X10X8, 1J 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 PLIES IN HEADER

ACTUAL vs REQUIRED SHEARWALL

	TRANSVERSE	LONGITUDINAL
ACTUAL	21120 LBF	22374 LBF
REQUIRED	18159 LBF	14363 LBF

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. SEMINOLE TRUSSES, INC JOB # 850184a



ERKINGER  
CONSTRUCTION GROUP

Ryan & Pamela  
Touchtone Residence

PROJECT ADDRESS:  
PARCEL ID#  
11-5s-17-09212-000 Columbia County, FL

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 civil 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



Friday, October 11, 2019

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

JOB NUMBER:  
191142

S-2  
OF 2 SHEETS