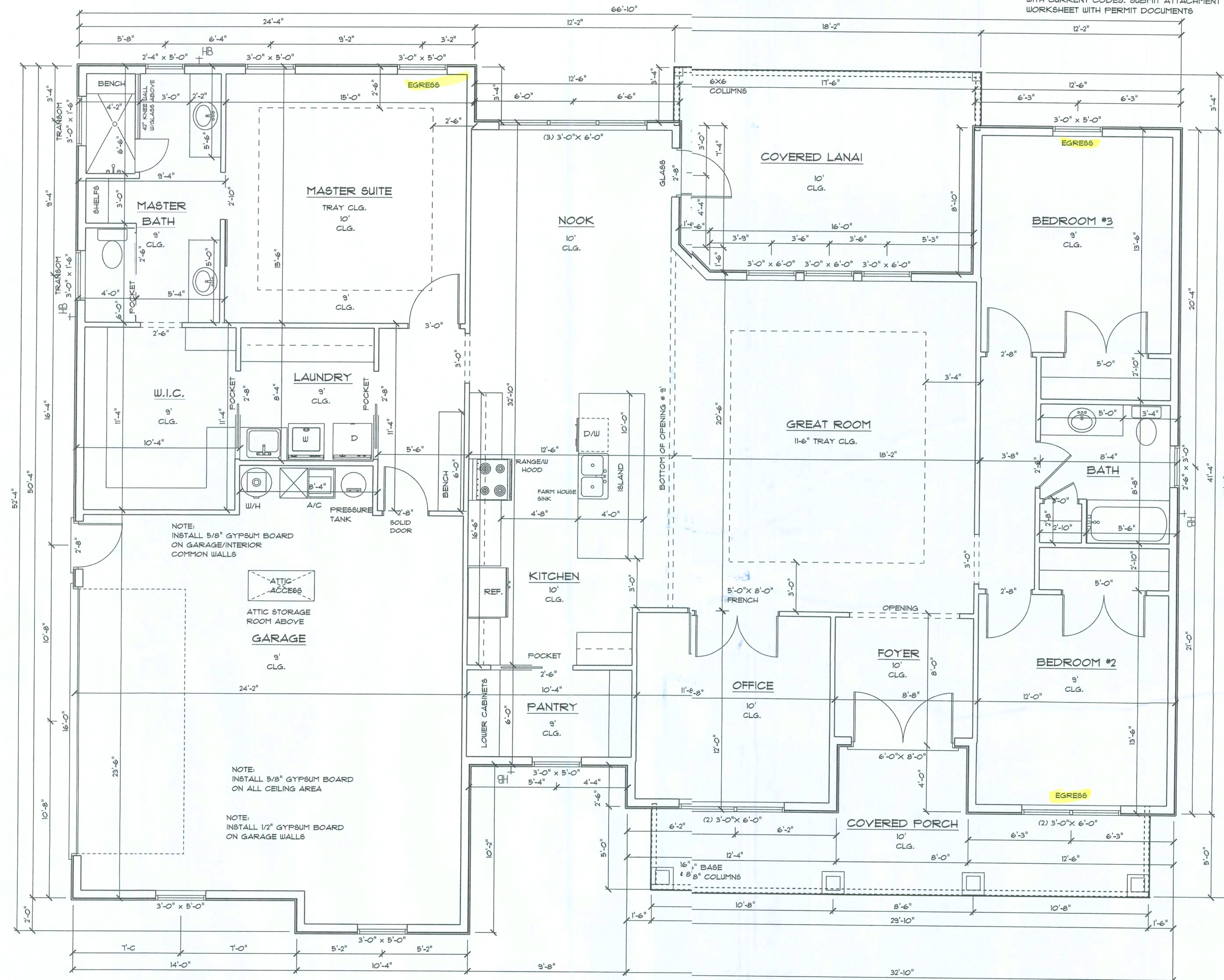


IT IS THE OWNER AND OR THE CONTRACTORS  
RESPONSIBILITY TO VERIFY ALL STRUCTURAL ASPECTS  
OF THESE DRAWINGS. THIS INCLUDES BUT NOT LIMITED TO  
DIMENSIONS, WALL HEIGHTS AND MATERIAL, WINDOW SIZE AND  
LOCATION. ALSO ALL STATE AND LOCAL CODES MUST BE FOLLOWED

DESIGN CRITERIA		
FL. BUILDING CODE	RESIDENTIAL	2011
FL. ELECTRICAL	NAT. ELEC. CODE	2014
FL. PLUMBING	FL.	2011
MECHANICAL	FL.	2011
WIND LOAD DESIGN	ASCE 7-10 (ALL HEIGHTS)	
WIND LOAD DESIGN	FBC, TPI 2014	FBC 2011
ROOF LIVE LOAD	20 PSF	
FLOOR LIVE LOAD	40 PSF	

ALL WINDOWS AND DOORS TO  
BE INSTALLED PER MANUFACTURERS  
RECOMMENDATIONS AND MUST COMPLY  
WITH CURRENT CODES. SUBMIT ATTACHMENT  
WORKSHEET WITH PERMIT DOCUMENTS



APPROX. AREA	
LIVING	2188
GARAGE	603
LANAI	214
PORCH	181
TOTAL	3186

MAIN FLOOR PLAN



BURK RESIDENCE

SCALE 1/4" = 1'  
DRAWN BY P.A.C.  
APPROVED

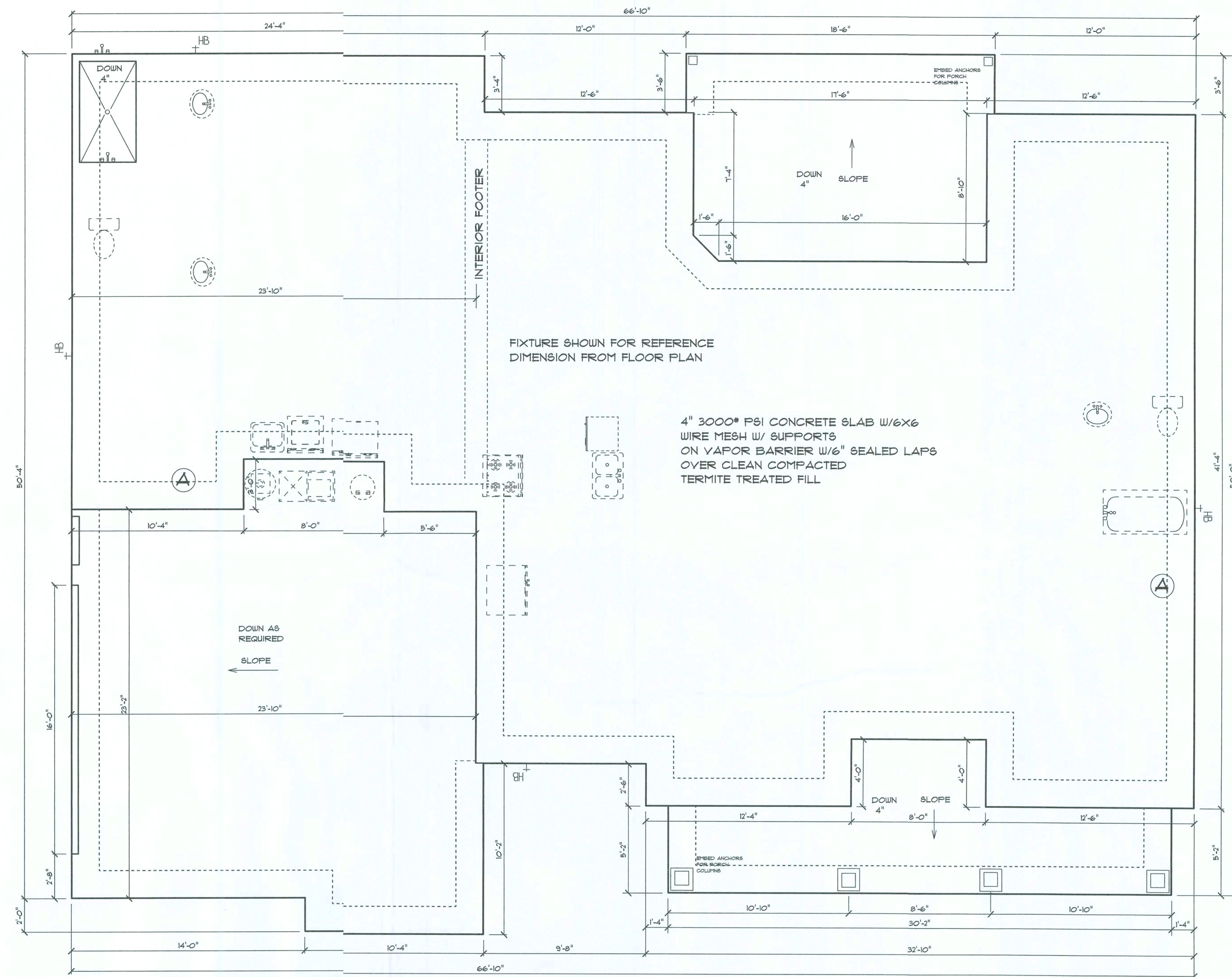
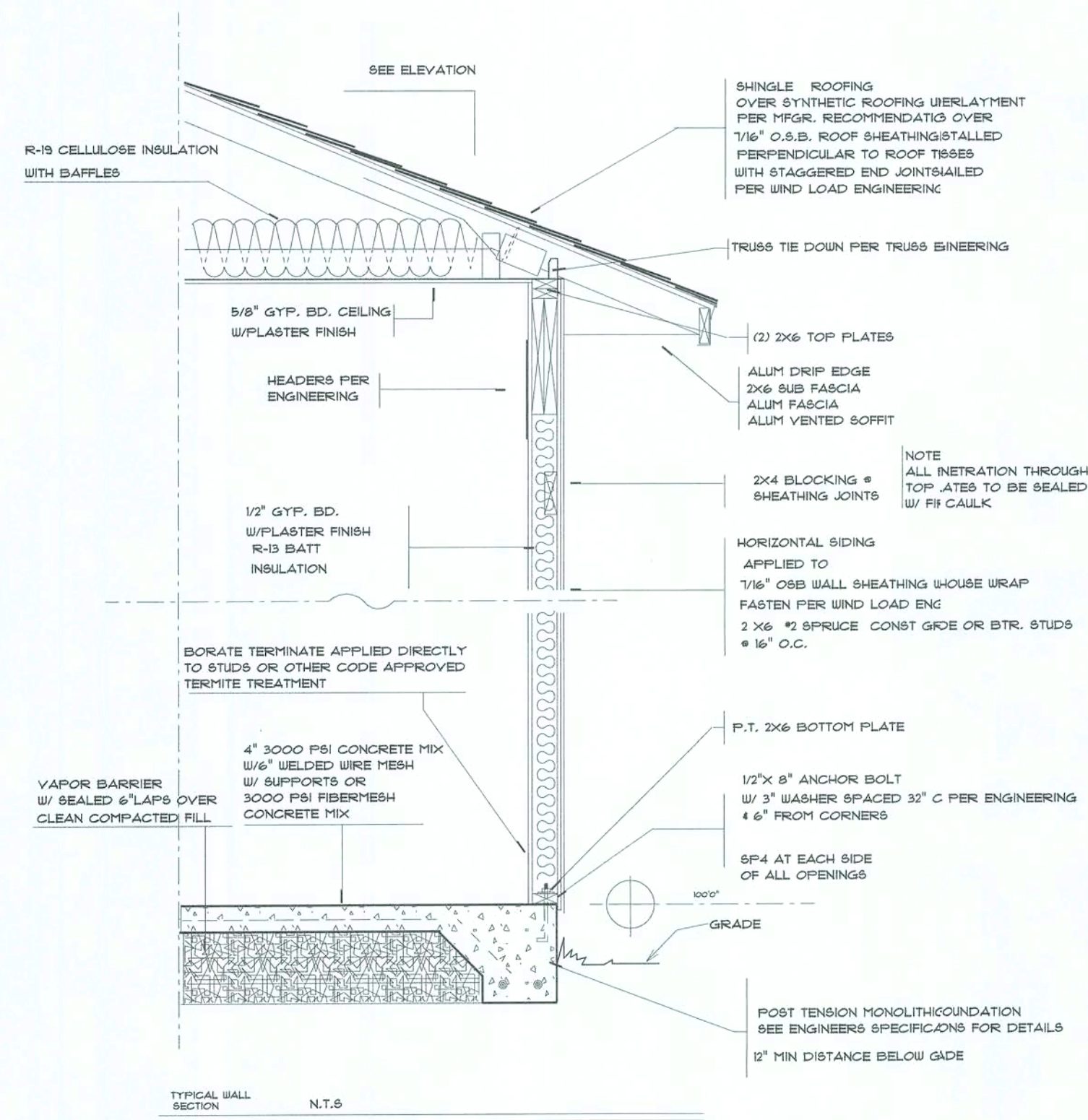
AMIRA  
CUSTOM HOMES

COLACINO  
DRAFTING&DESIGN  
PH. 352-472-3462

DATE 6/10/20  
REVISED  
REVISED

1



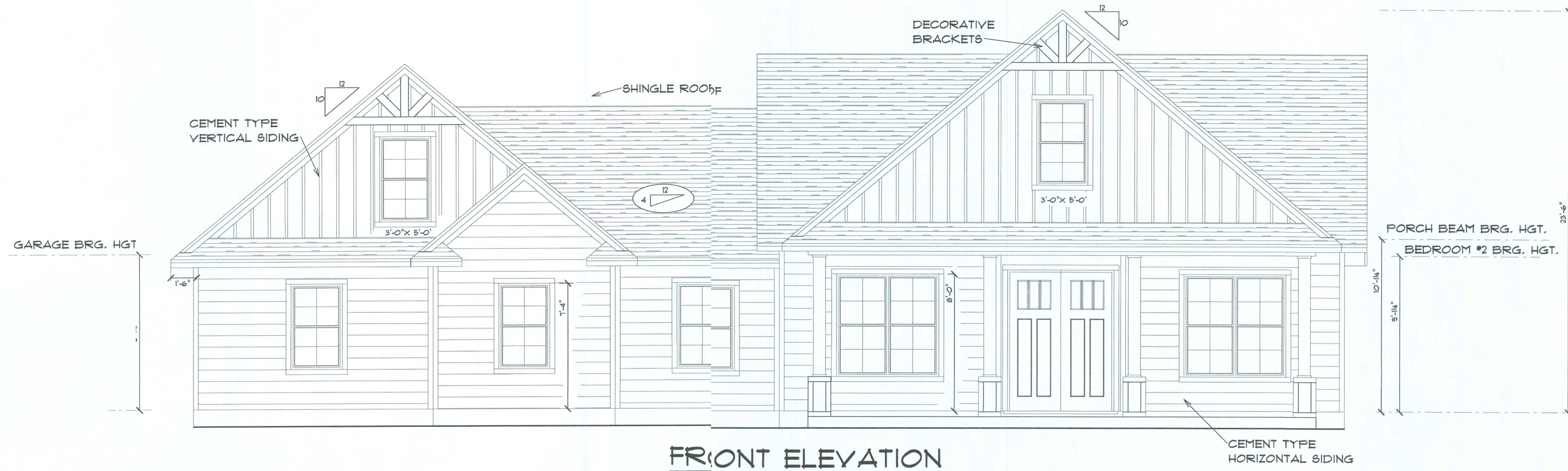


POST TENSION (MONOLITHIC) FOUNDATION  
SEE ENGINEERING DOCUMENTS FOR  
ALL FOUNDATION INFORMATION  
AND REQUIREMENTS

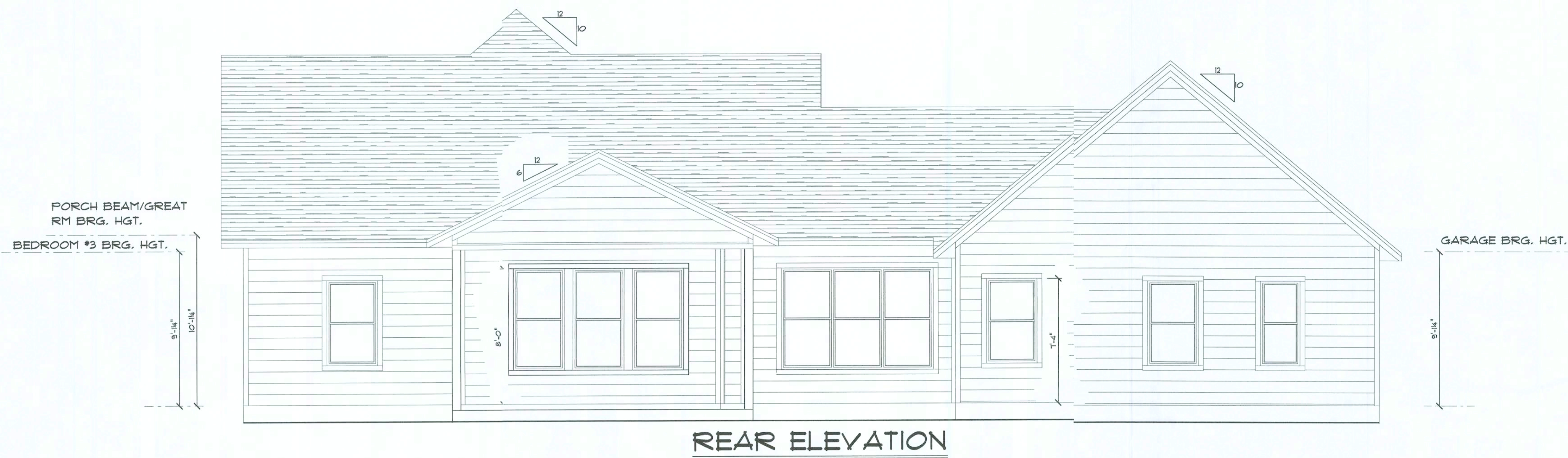
## FOUNDATION PLAN

NOTE:  
VERIFY INTERIOR BEARING WALLS  
WITH ROOF TRUSS COMPANY

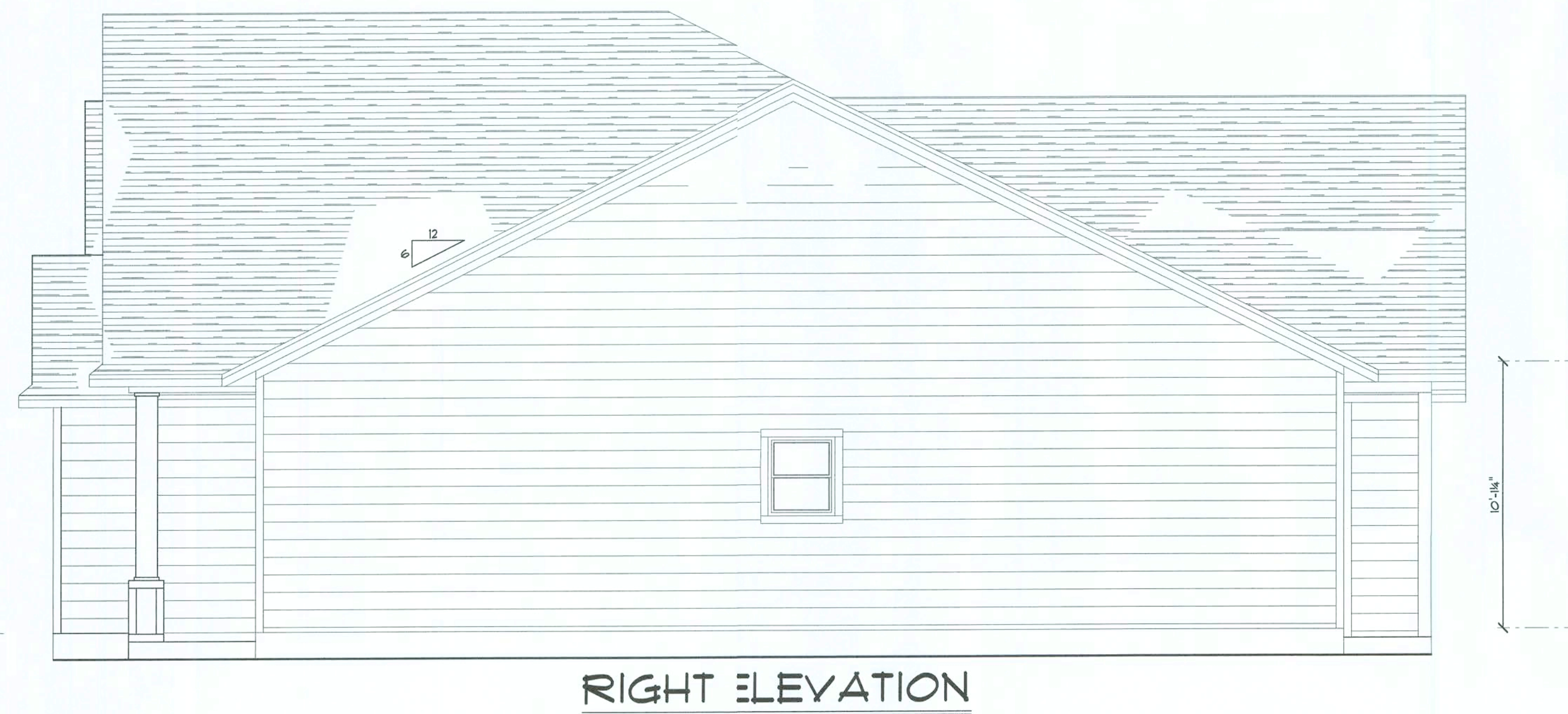




FRONT ELEVATION



REAR ELEVATION

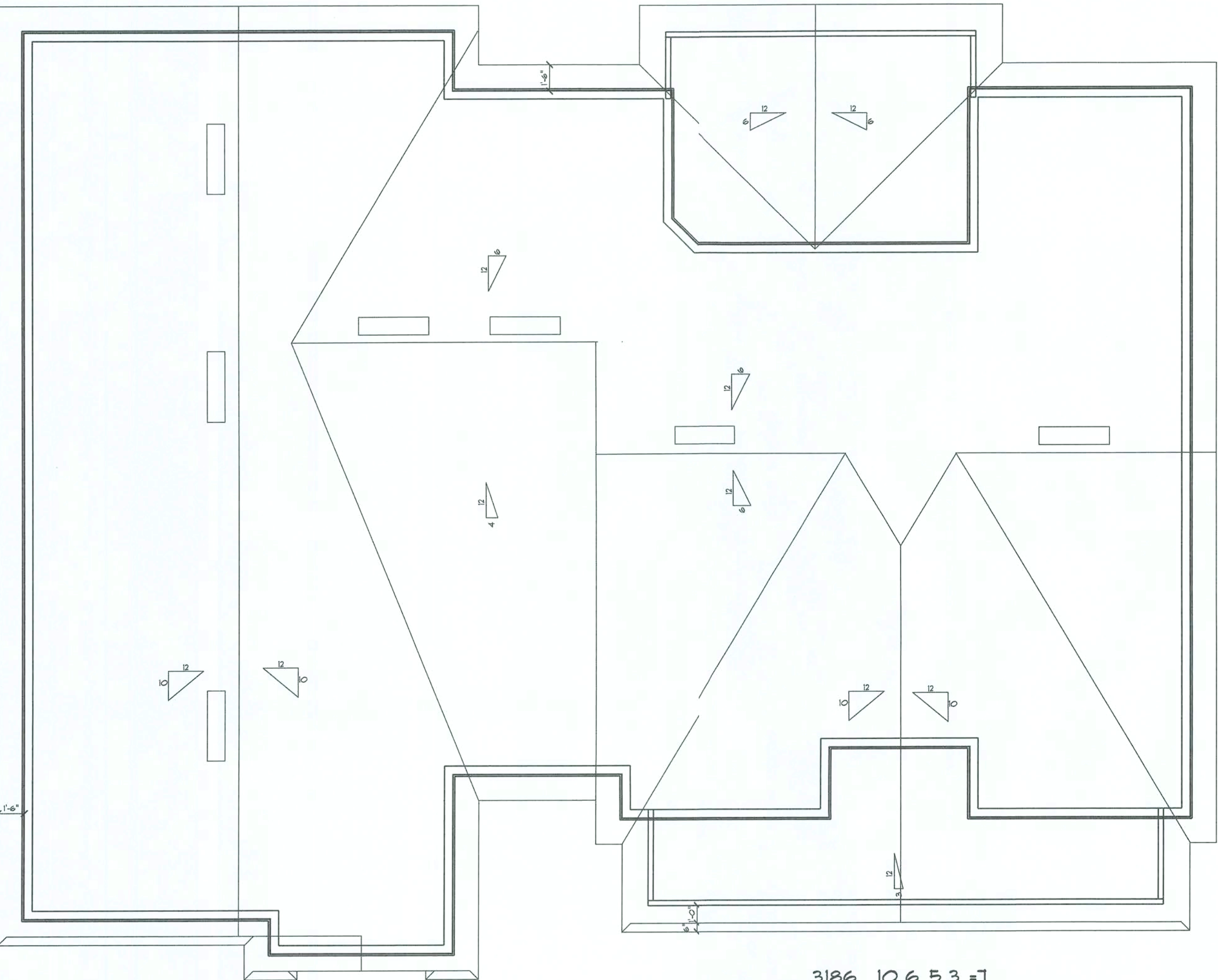


RIGHT ELEVATION



LEFT ELEVATION





4-6-10/12 ROOF PITCH  
1'-6" OVERHANGS  
ADJUST HEELS TO MACH  
WHERE NEEDED

ROOF P.A.N  
3/16" SCAE

3186 10.6 5.3 =7  
300 2 .72 = 7-4' OFF RIDGE VENTS

ELECTRICAL	SYMBOL
ceiling fan	
fluorescent light	
exterior light	
spotlight double	
electrical meter	
electrical panel	
A/C DISCONNECT	
ACU	
Carbon Monoxide	
DISPOSAL	
EXHAUST FAN	
RECESSED LIGHT	
cable tv outlet	
light	
outlet	
outlet 220v	
outlet gfi	
outlet up	
smoke detector	
switch	
switch 3 way	
telephone/internet	
vanity bar light	

SMOKE DETECTORS TO BE 110 WIRED  
W/ BATTERY BACK UP AS REQUIRED BY CODE

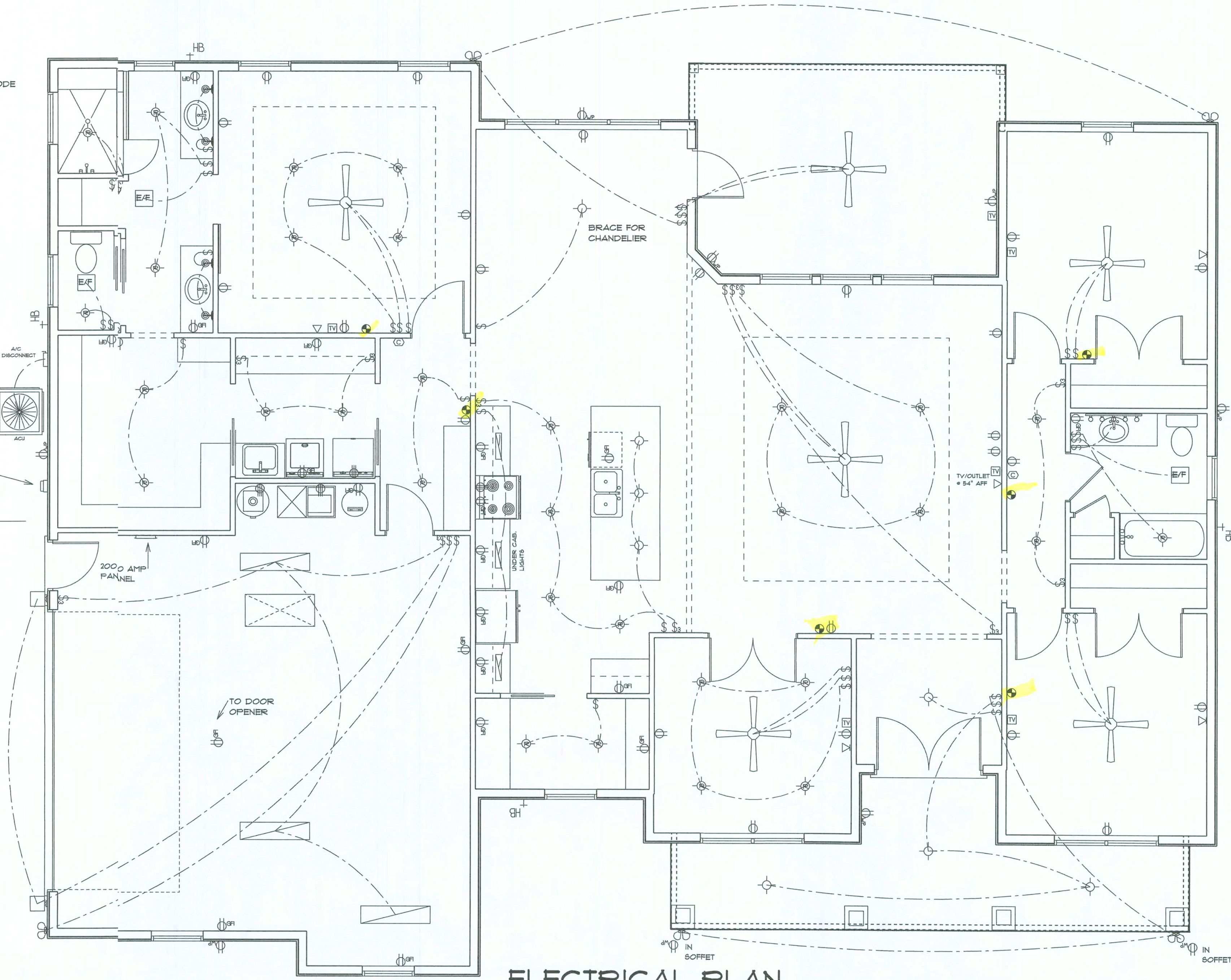
ALL RECEPTACLES  
NEAR WATER TO  
BE GFI

ALL OUTLETS TO BE  
ARC FAULT PROTECTED CIRCUIT

ALL EXTERIOR OUTLETS  
TO BE WATERPROOF GFI

PHONE AND TV  
OUTLETS PER  
OWNERS

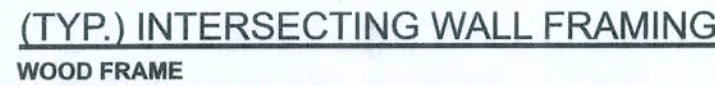
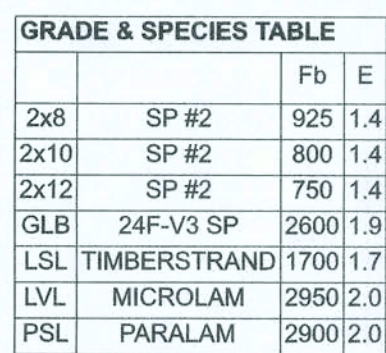
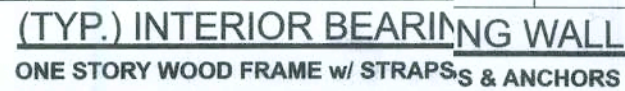
POWER METER  
LOCATION T.B.D.  
POWER PROVIDED  
BY



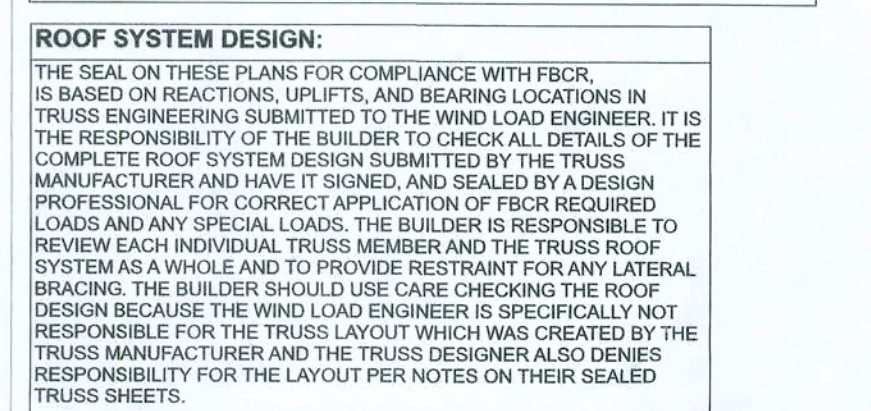
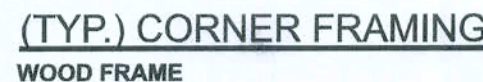
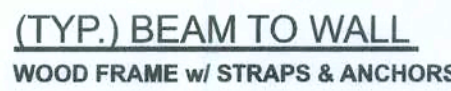
ELECTRICAL PLAN

ELECTRIC PLAN IS A SUGGESTED LOCATION  
FOR SWITCHES PLUGS AND LIGHTS  
IT IS THE OWNER AND OR THE  
CONTRACTORS RESPONSIBILITY  
TO FOLLOW ALL STATE AND LOCAL CODES.





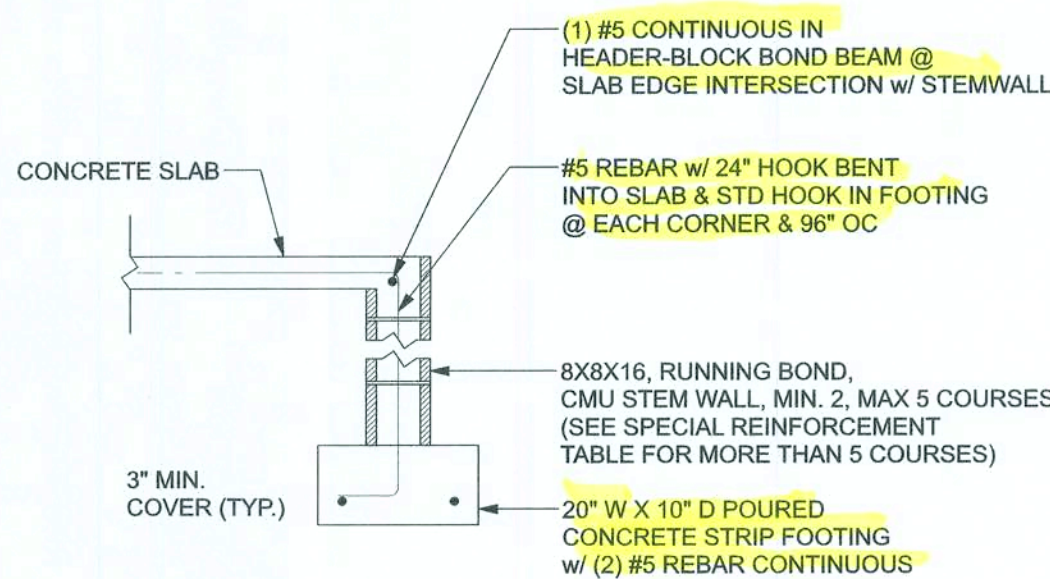
SILL PLATE SPANS FOR 10'-0" WALL HEIGHT				
DESIGN WIND SPEED	MAX. SPANS FOR SPF #2			BASED ON WFCM TABLE A-3.23B  FOR OTHER WALL HEIGHTS (H) SILL SPAN SHALL BE DIVIDED BY (H/10)
	(1) 2x4	(2) 2x4	(1) 2x6	
130 MPH EXP. C	5'-2"	7'-9"	7'-7"	(2) 2x6  11'-3"



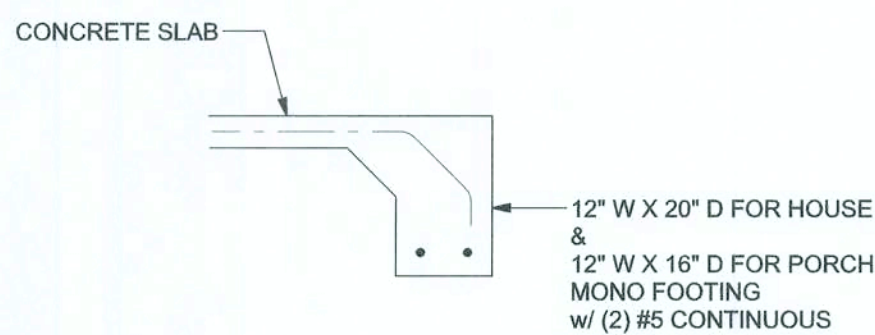
COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)			
WIND EFFECTIVE AREA (FT <sup>2</sup> )	ZONE 4 INTERIOR	ZONE 5 END 4 FROM ALL OUTSIDE CORNER	
0 - 20	+25.6(Vasdt) -27.8(Vasdt)	+25.6(Vasdt) -34.2(Vasdt)	
0 - 20	+42.6(Vultt) -46.2(Vultt)	+42.6(Vultt) -57(Vultt)	
GARAGE DOOR DESIGN PRESSURES 130 MPH (EXP C)			
9x7 GARAGE DOOR	+22.1(Vasdt) -25.5(Vasdt)		
16x7 GARAGE DOOR	+21.7(Vasdt) -24.1(Vasdt)		



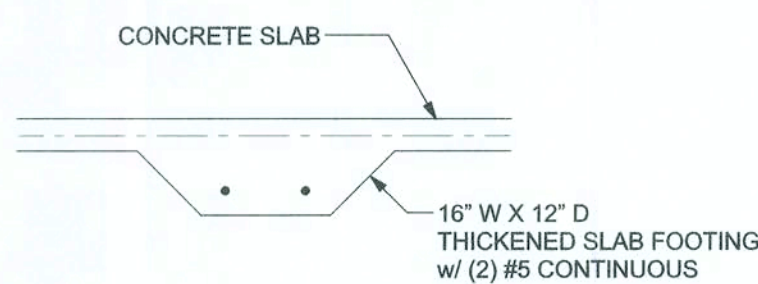




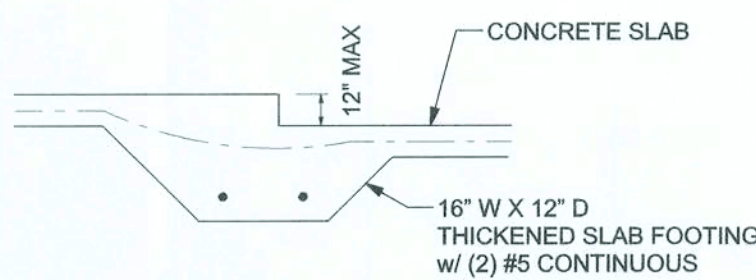
**F1 S-2** STEM WALL FOOTING  
SCALE: 1/2" = 1'-0"



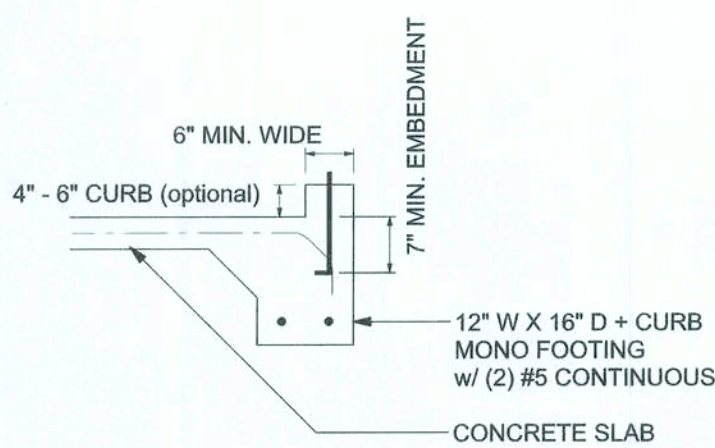
**F1 S-2** MONOLITHIC FOOTING  
SCALE: 1/2" = 1'-0"



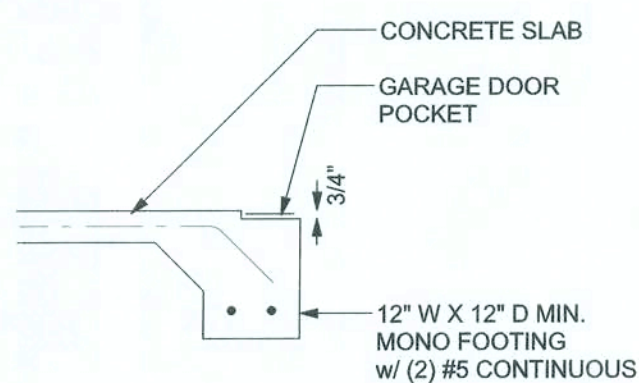
**F2 S-2** INTERIOR BEARING FOOTING  
SCALE: 1/2" = 1'-0"



**F3 S-2** INTERIOR BEARING STEP FOOTING  
SCALE: 1/2" = 1'-0"



**F4 S-2** MONOLITHIC CURB FOOTING  
SCALE: 1/2" = 1'-0"



**F5 S-2** GARAGE DOOR POCKET FOOTING  
SCALE: 1/2" = 1'-0"

TALL STEM WALL BLE:

The table assumes 1 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at thop. 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 trowall ladder reinforcement at 16"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 shown in the table below.

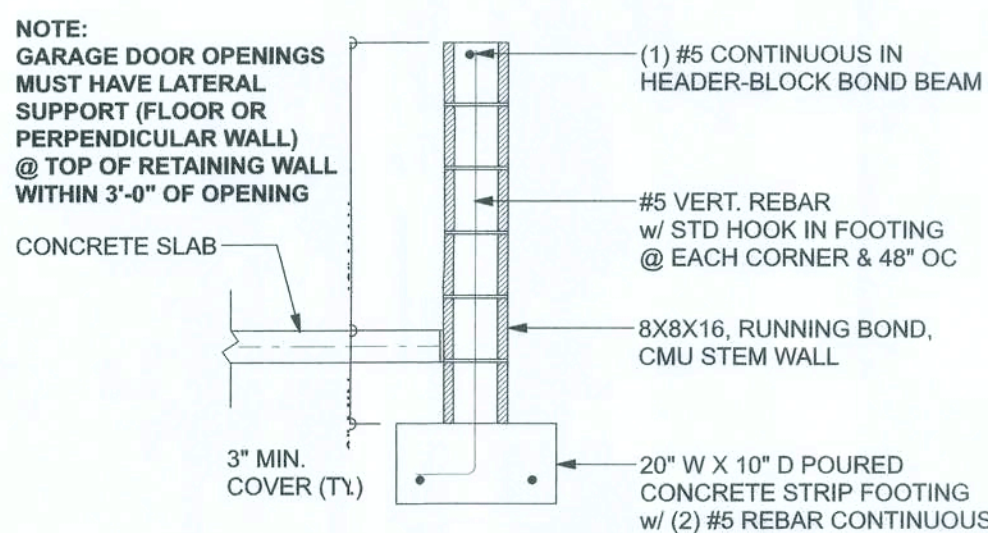
STEM WALL HEIGHT (FEET)	UNBALANCED BACKL. HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3	96	96	96	96	96	96
4.0	3.1	96	96	96	96	96	96
4.7	4.1	88	96	96	96	96	96
5.3	5.1	56	96	96	96	96	96
6.0	5.1	40	80	96	80	96	96
6.7	6.1	32	56	80	56	96	96
7.3	7.1	24	40	56	40	80	96
8.0	7.1	16	32	48	32	64	80
8.7	8.1	8	24	32	24	48	64
9.3	9.1	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 531-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.

ACI 530.1-02 Title	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 bar, #3 - #11	ASTM 615, Grade 40, Fy = 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 600, 0.60 oz/R2 or 304SS
2.4F Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet metal ties not completely embedded in mortar or grout, ASTM A153, Class B2, 1.50 oz/R2 or 304SS
3.3.E.2 Pipes, conduit and accessories	Any not shown on the project drawings require engineering approval.
3.3.E.7 Movement joint	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 UNSTURBED SOIL OR ENGINEERED FILL PER FBC 2017-ES, SECTION R403.1.4



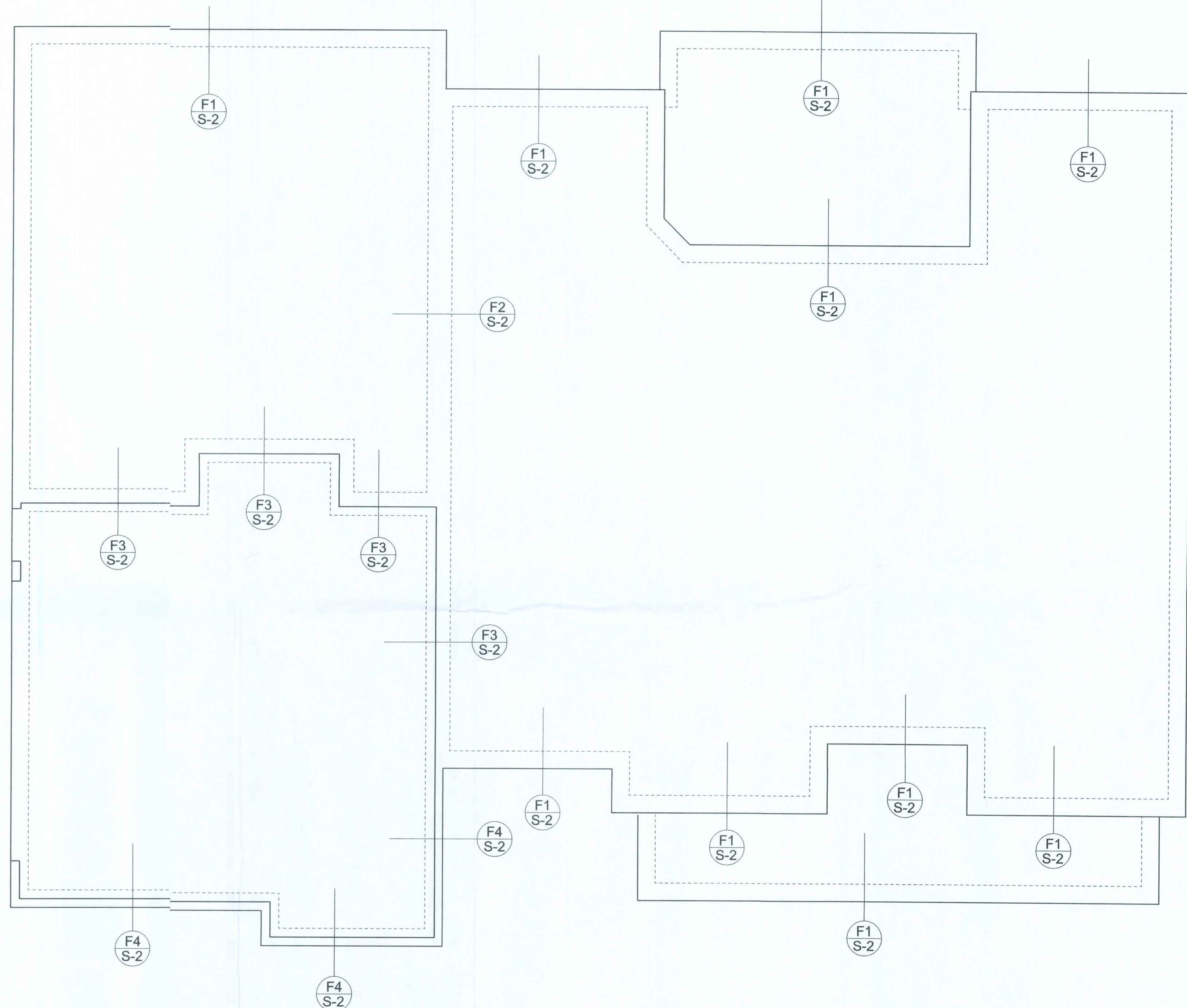
**F4 S-2** STEM WALL CURB FOOTING  
SCALE: 1" = 1'-0"

#### FOUNDATION PLAN

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

**FOUNDATION NOTES**

- 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.
- 2 CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
- 3 THE SLAB SHALL BE: 4" CONCRETE SLAB, REINFORCED W/ 6X6-14/1.4 WELDED WIRE MESH PLACED ON CHAIRS @ 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER W/ 6" LAPS SEALED W/ POLY TAPE OVER THERMATE-TREATED & COMPACTED FILL (ALSO, ANY OTHER CODE APPROVED THERMATE-TREATMENT METHOD CAN BE USED INSTEAD).



Amira Builders

Burk Res.

PROJECT ADDRESS:  
650 SW Rock Way  
Ft. White, FL

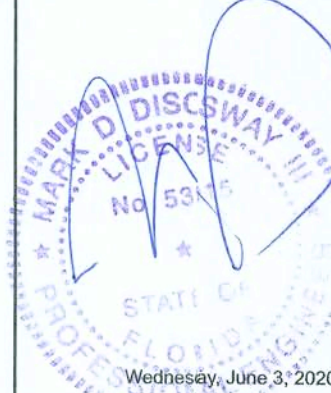
DIMENSIONS:  
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Discoway, P.E. for resolution. Do not proceed without clarification.

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Mark Discoway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments & 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 Discoway.

CERTIFICATION: hereby certify that I have examined this plan and that the applicable portions of the plan relating to wind engineering comply with the 2017 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



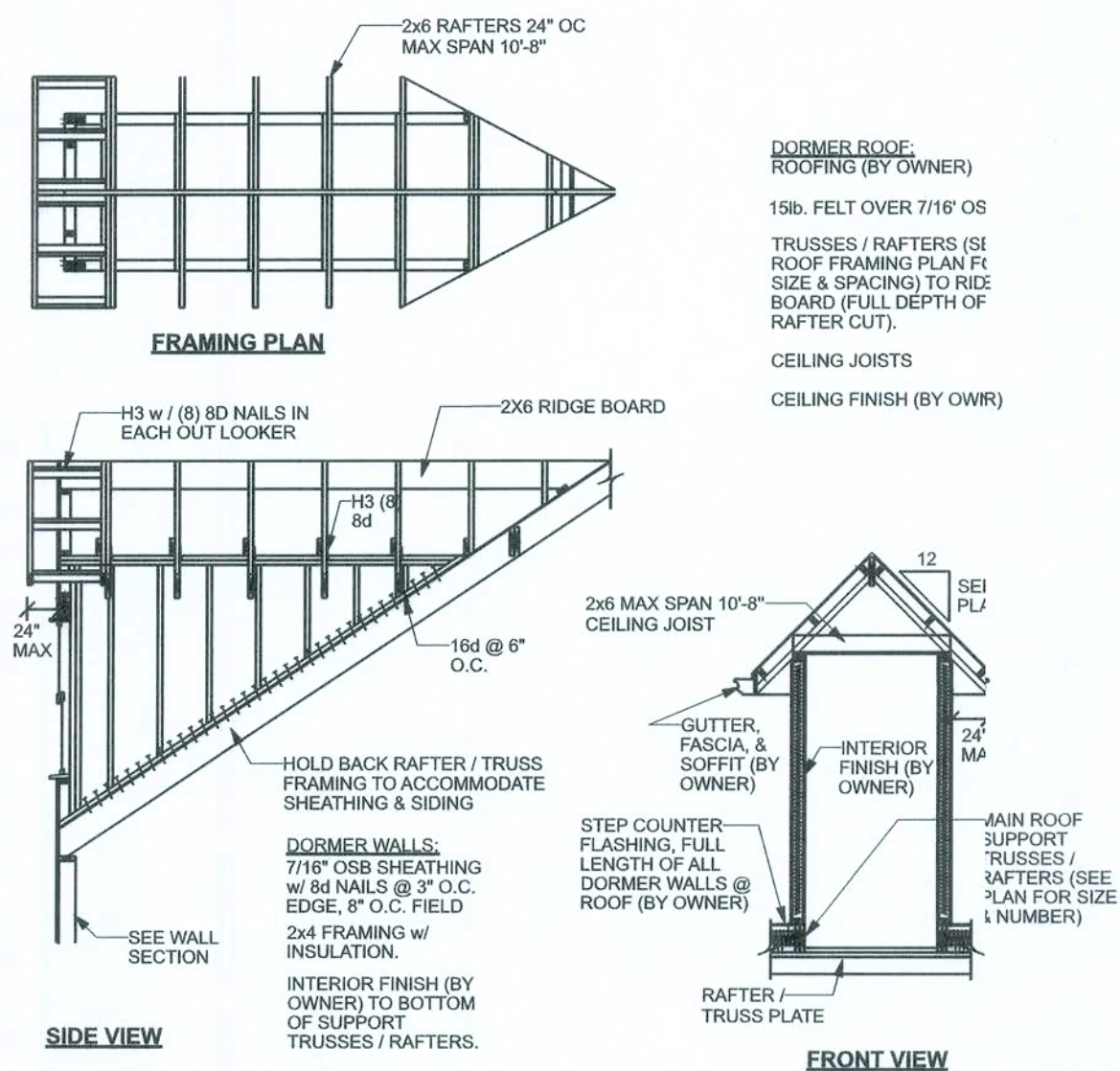
Wednesday, June 3, 2020

Mark Discoway P.E.  
163 SW Midtown Place  
Suite 103  
Lake City Florida 32025  
386754.5419  
disoswaydesign@gmail.com

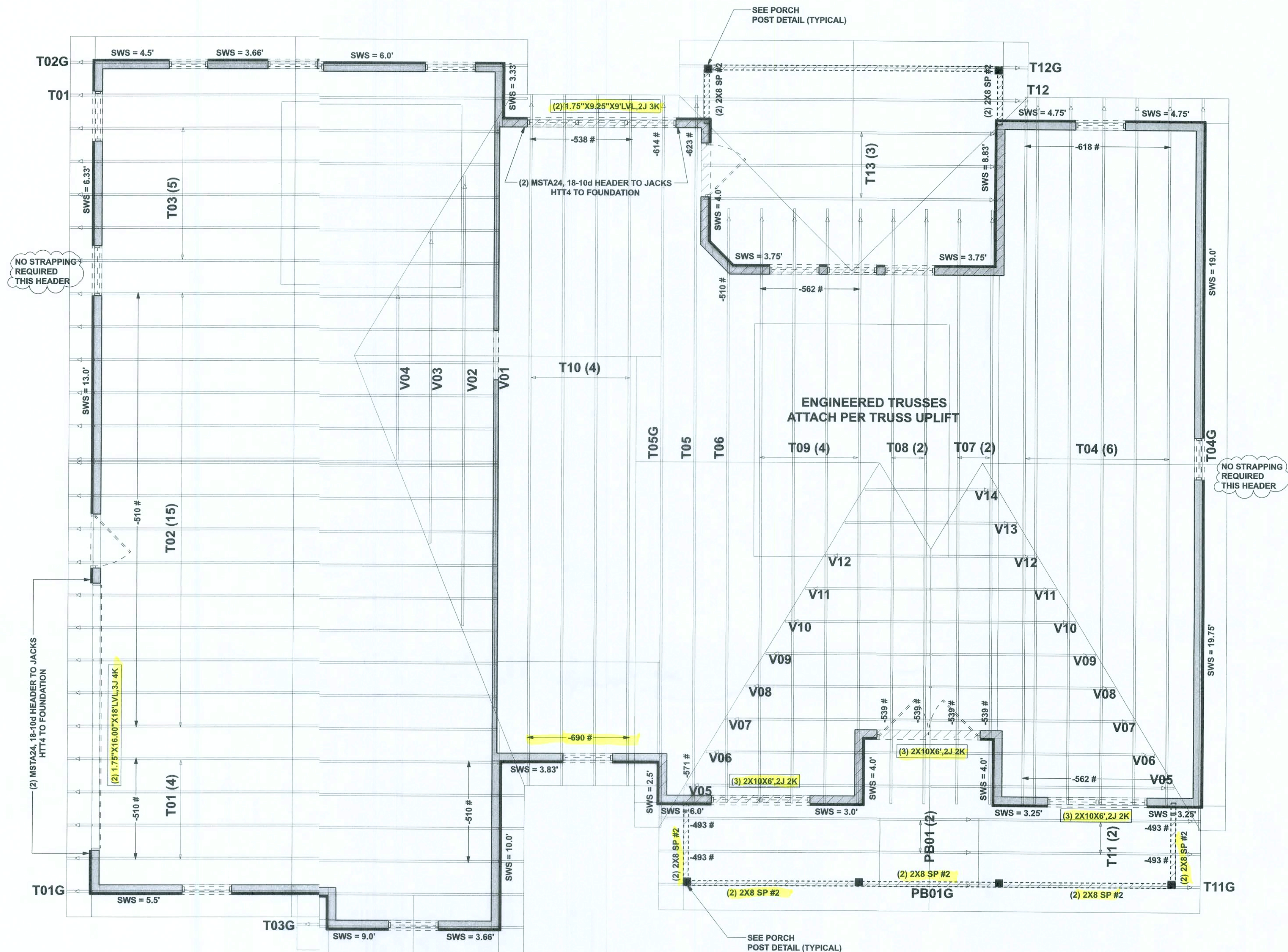
JOB NUMBER:  
210563

**S-2**  
OF 1 SHEETS

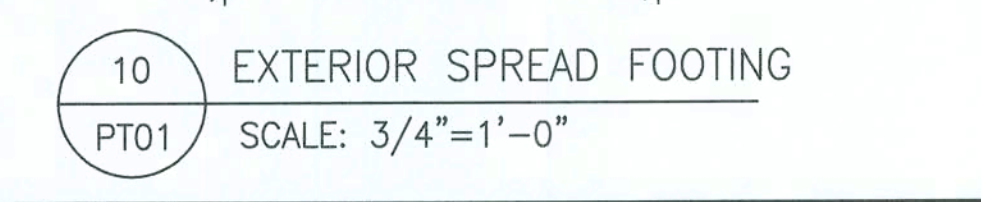
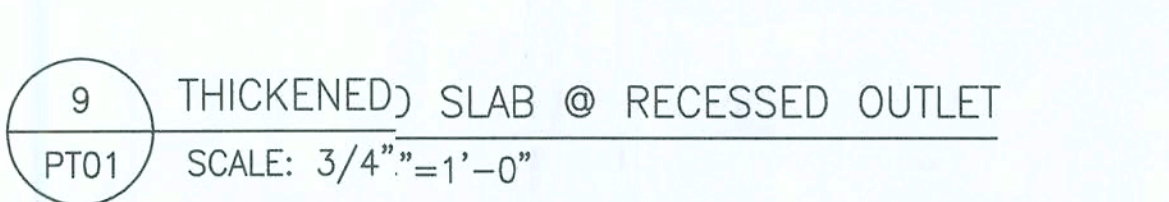
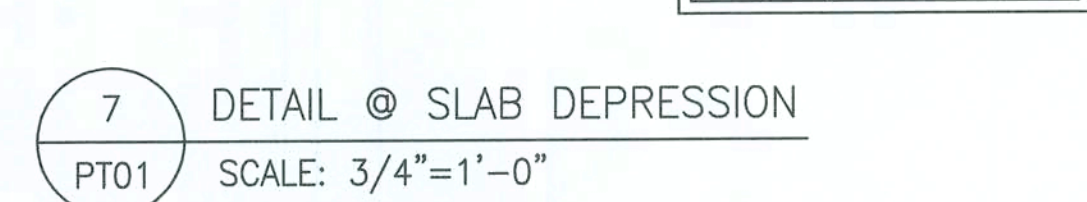
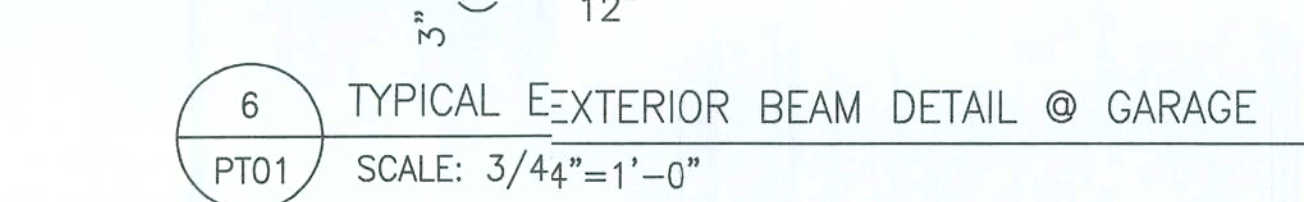
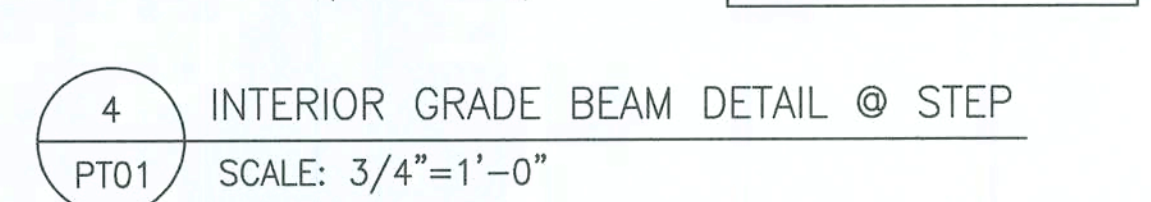
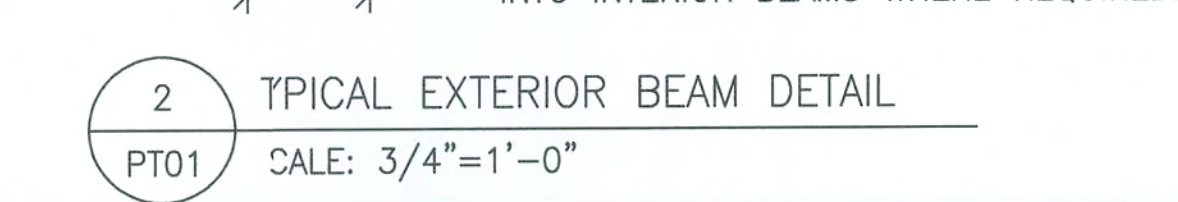
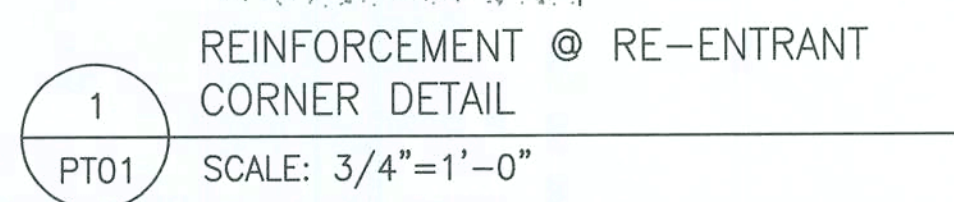




**DORMER ANCHORING DETAIL (ON ROOF)**  
SCALE: N.T.S.







3			
2			
1			
0	06/01/20	ISSUED FOR PERMIT	HF
No.	DATE		BY
			<b>REVISIONS</b>

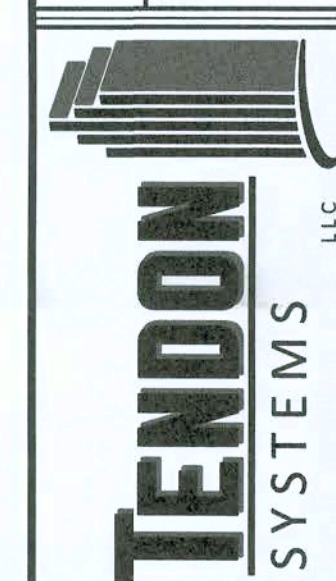
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DRN:	JV	05/29/20
REV:	ic	06/01/20

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7340 MCCONNIS FERRY RD., STE 100  
SUWANEE, GA 30024  
PH: (678) 835-1100  
FAX: (678) 835-1101

FOR FURTHER INFORMATION OR QUESTIONS REGARDING THIS PROJECT,  
PLEASE CONTACT:

PROJECT MANAGER: HUMBERTO FRAGOSO  
PHONE #: 678-835-1100 EXT: 720  
CELL PHONE #:   
E-MAIL ADDRESS: HFRAGOSO@TENDONLLC.COM



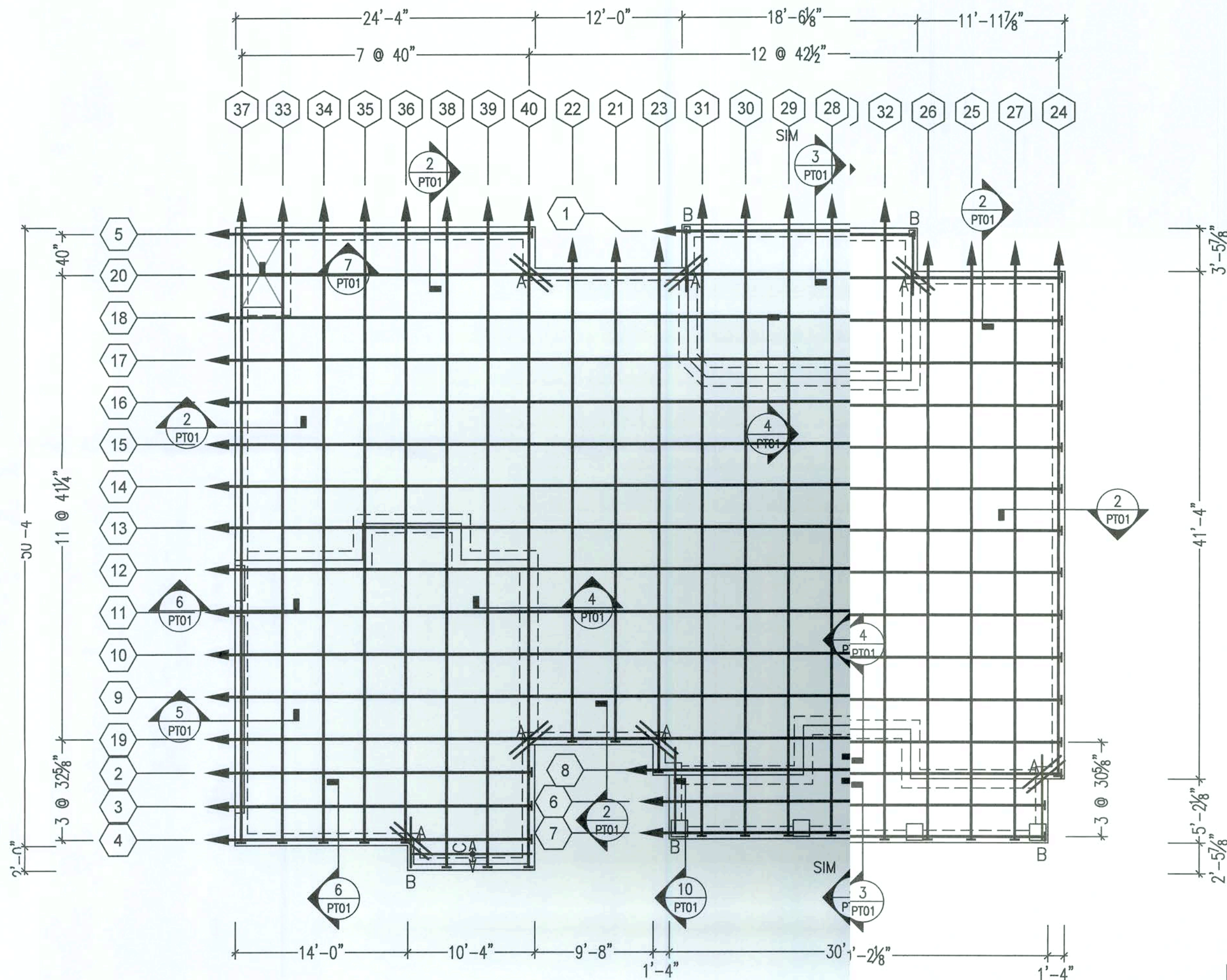
GENERAL NOTES AND DETAILS  
GENERAL NOTES AND DETAILS  
**BURKE PROJECT**  
FT WHITE, FL  
COWART CCI

## EE PLAN

PT-01



STRESSING CREW SHALL MEASURE ELONGATIONS AFTER STRESSING THE FIRST 3 TENDONS, THEN PERIODICALLY THERE AFTER, AND COMPARE RESULTS TO ACCEPTABLE RANGE OF CALCULATED ELONGATIONS ON THIS PLAN. IF TENDON ELONGATION SHOWS SIGNIFICANT DEVIATION FROM THE CALCULATED ELONGATION, STOP STRESSING AND ASCERTAIN CAUSE. STRESSING CAN ONLY BE RESUMED WHEN THE CAUSE IS DETERMINED AND SOLVED.



BURKE PROJECT - SLAB TENDONS			
BUNDLE NO.	QTY.	FT.	ELONGATIONS
1	1 X	20A	$\Delta = 1\frac{1}{2}"$
2 THRU 5	4 X	26A	$\Delta = 2"$
6	2 X	32A	$\Delta = 2\frac{1}{2}"$
7	1 X	35A	$\Delta = 2\frac{5}{8}"$
8	12 X	69A	$\Delta = 5\frac{1}{2}"$
9 THRU 20	2 X	41A	$\Delta = 3\frac{1}{8}"$
21 AND 22	2 X	43A	$\Delta = 3\frac{3}{8}"$
23 AND 24	3 X	48A	$\Delta = 3\frac{3}{4}"$
25 THRU 27	10 X	52A	$\Delta = 4\frac{1}{8}"$
28 THRU 37	3 X	54A	$\Delta = 4\frac{1}{4}"$
38 THRU 40			

ANCHORAGE CONFIGURATION  
A →

SUPPORT CHAIR SIZE	QTY.
1 1/2" SOG INTER.	325

REINFORCING SCHEDULE	
A	2 #4 X 4'-0"
B	1 #4 X VARIES (EXTEND 24" PAST JOG)

FOUNDATION PLAN - BURKE PROJECT

SCALE: 1/8" = 1' 4" SLAB

- NOTES:
- 1) REFER TO SHT. #PT-01 FOR ALL GENERAL NOTES & DETAILS.
  - 2) WHERE NO DIM. IS GIVEN DO NOT EXCEED 6'-0" SPCG. BETWEEN TENDONS.
  - 3) TENDONS TO BE PLACED 6" (MIN.) AWAY FROM SLAB EDGE (U.N.O.)
  - 4) ALL TENDONS HAVE A MINIMUM 25'-0" SWEEP RADIUS UNO.
  - 5) TENDONS SHOULD BE PLACED AT MID-DEPTH OF THE SLAB, VARY HEIGHT FOR SLAB SLOPES.
  - 6) SLOPE, STEP, AND CURB ALL SLABS PER ARCH TYP REFER TO ARCH FOR ANY INFO NOT SHOWN.
  - 7) A-TYPE SINGLE END STRESS TENDONS MAY HAVE STRESSING DIRECTION FLIPPED AS REQUIRED IN FIELD AS NEEDED, TYP.
  - 8) THIS PLAN IS FOR TENDON PLACEMENT, ALL FOOTING/LOAD BEARING WALL LOCATIONS ARE FOR REFERENCE AND SHOULD BE LOCATED PER ARCH/STRUCT PLANS, TYP.
  - 9) ALL DIMENSIONS SHOWN ARE FOR REFERENCE AND SHOULD BE VERIFIED WITH ARCH PLANS TYP

ENG.	DATE	BY
3	06/01/20	HF
2	06/01/20	HF
1	06/01/20	HF
0	06/01/20	HF

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SUWANEE, GA 30024  
PH: (770) 835-1100  
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FOR FURTHER INFORMATION OR QUESTIONS REGARDING THIS PROJECT,  
PLEASE CONTACT:  
PROJECT MANAGER: HUMBERTO FRAGOSO  
PHONE #: 678-835-1100  
CELL PHONE #: 678-835-1100  
EXT: 720  
E-MAIL ADDRESS: HFRAGOSO@TENDONLLC.COM



TENDON PLAN  
FOUNDATION PLAN - BURKE PROJECT  
BURKE PROJECT  
FT WHITE, FL  
COWART CCI

Digitally signed by  
Kyle  
Bontreger  
Date: 2020.06.01  
14:24:18  
-04'00'

JOB # 20070222  
SCALE: SEE PLAN

PT-02