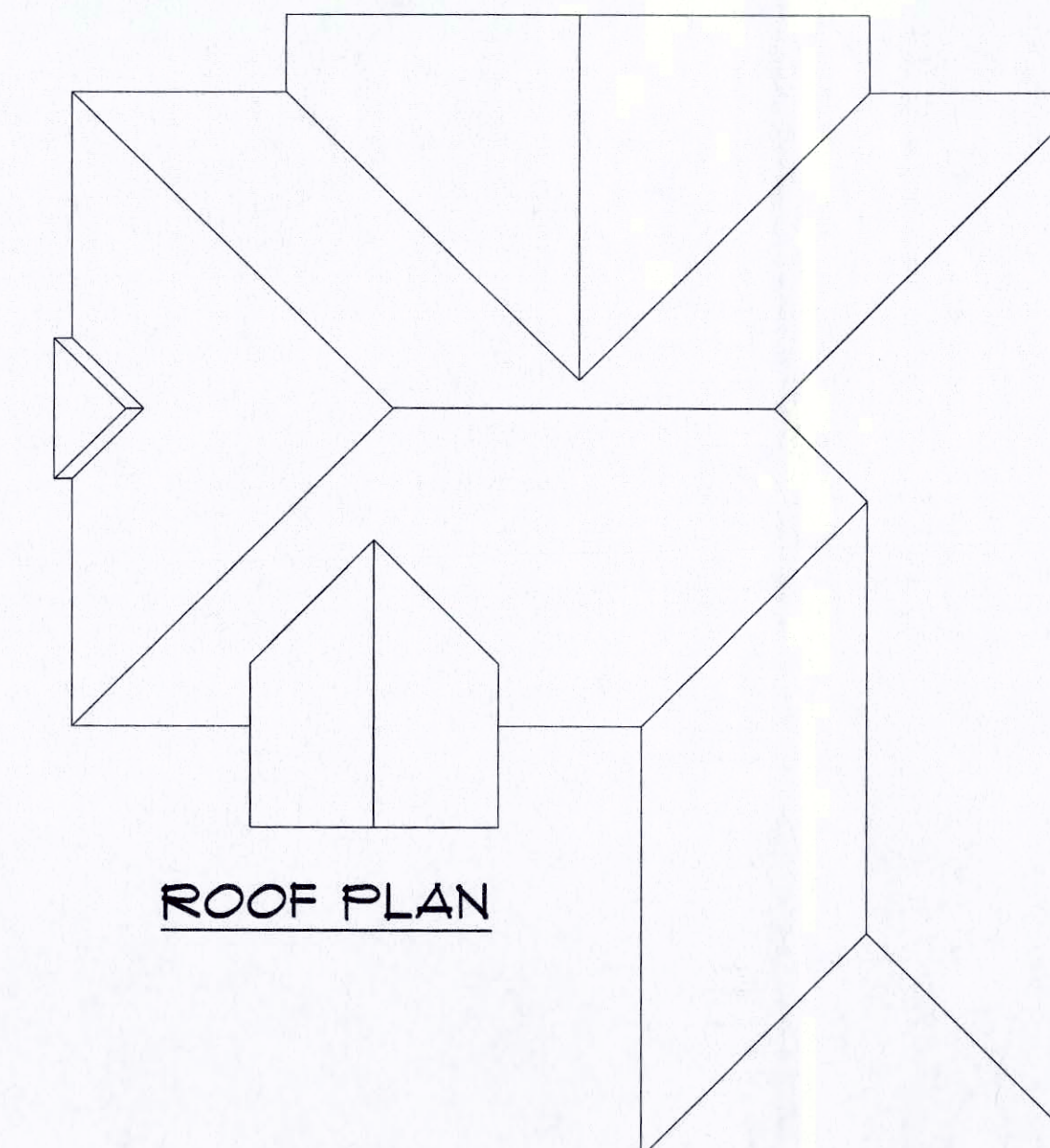
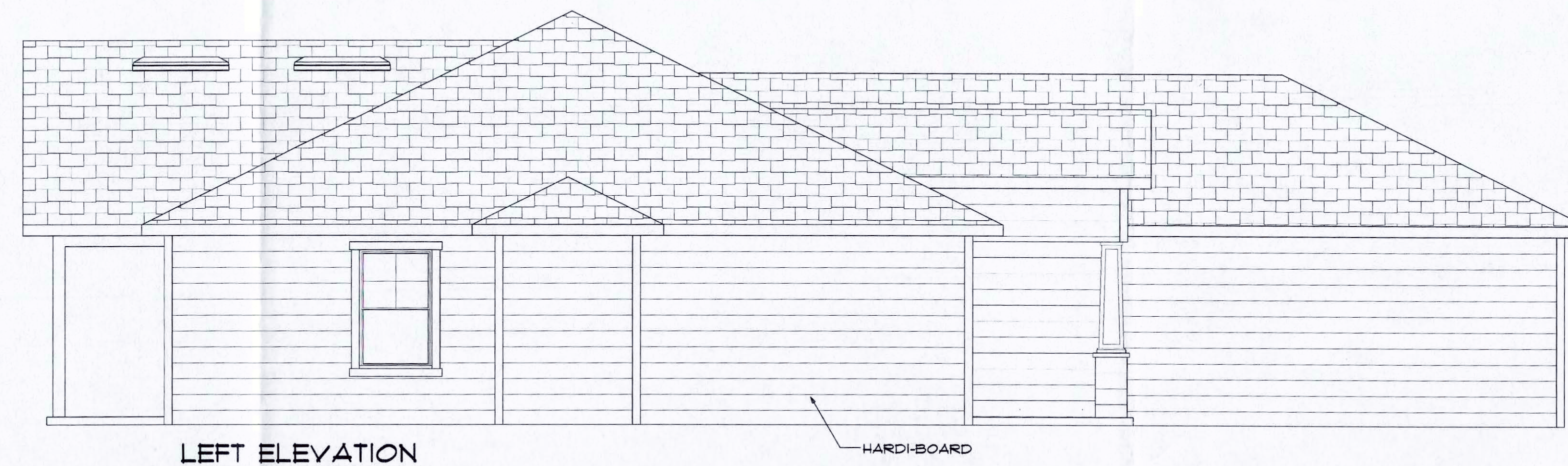
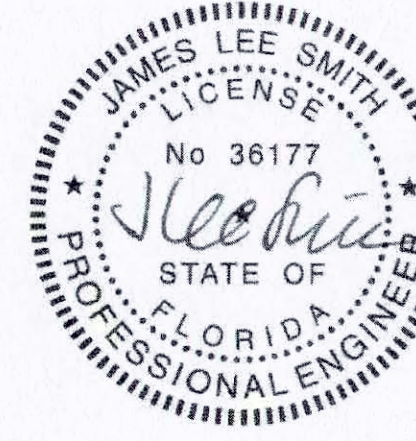
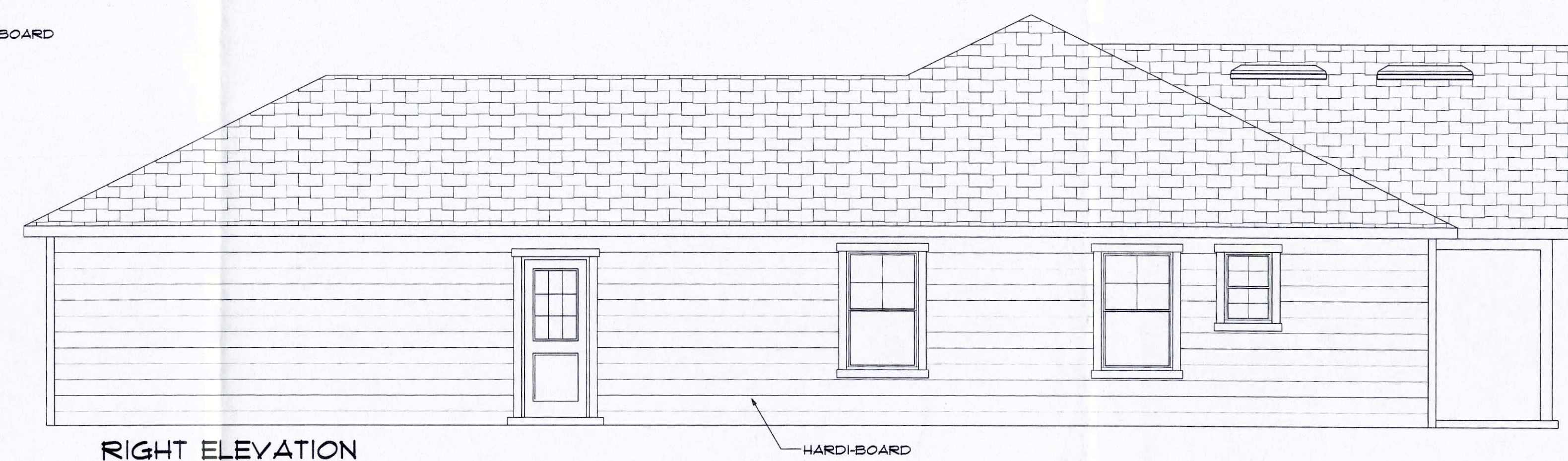




NOTE: ALL OPENINGS THAT ARE TO BE CONSIDERED HAZARDOUS LOCATIONS SHALL MEET SECTION R308.4 OF FBC 9th EDITION - RESIDENTIAL



NOTE: 2"x4" F.T. BANDING TRIM REQUIRED AROUND SGD.



This item has been electronically signed and sealed by James Lee Smith, P.E. using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

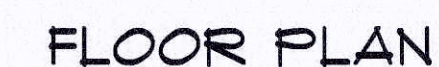
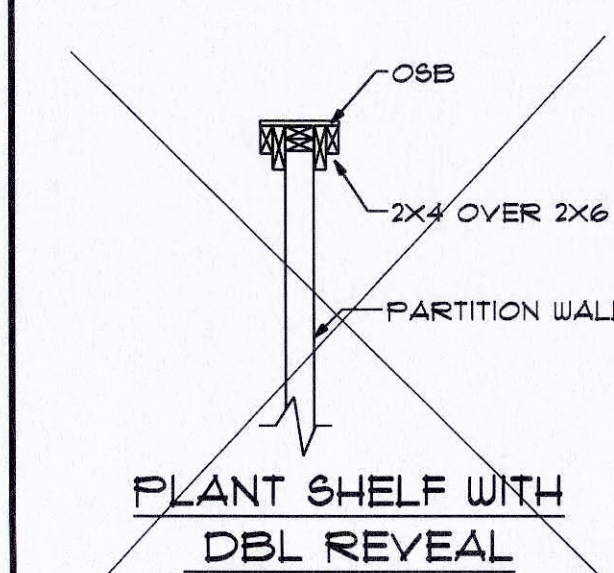
Digitally signed by James L Smith
DN: c=US, o=IdenTrust ACES
Business Representative,
ou=Engineering Services Group
LLC, cn=James L Smith,
0.9.2342.19200300.100.1.1=A0109
7C0000015628BCBD9D00018ADD
Date: 2017.03.31 22:06:35 -04'00'

PAGE NO.
1 OF 7

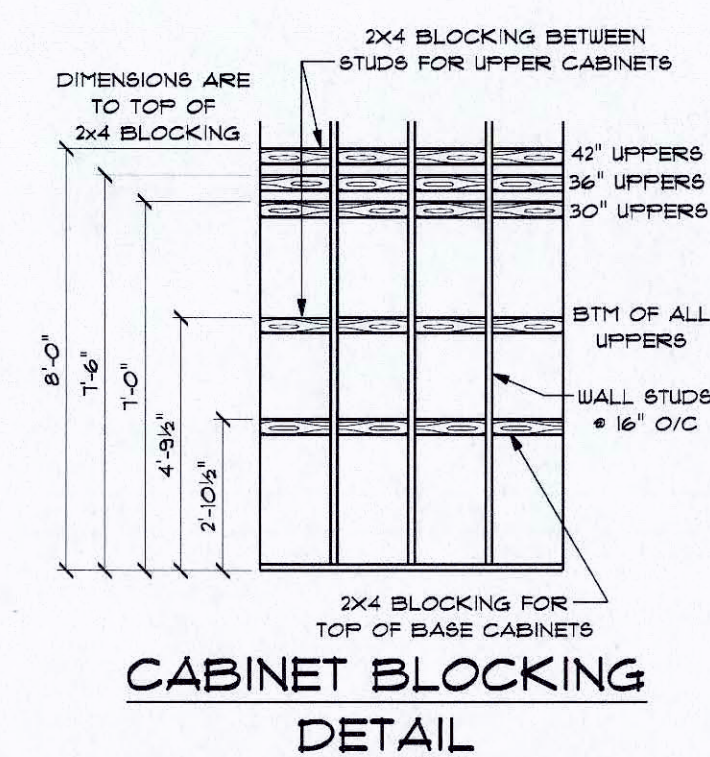
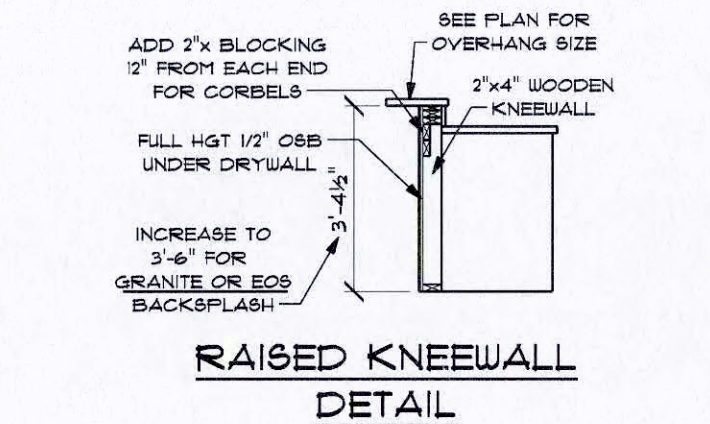
ENGINEERING SERVICES GROUP, LLC.
4400 N HWY 19-A, SUITE 2
MOUNT DORA, FLORIDA 32757
CA # 8886
J. LEE SMITH, P.E. # 36177
PH: 352-388-1735

CUSTOM HOME
HOMELINE:
ALLEN & REBECCA
BATES

DESIGNED BY
MEB
DATE
9/17/17
SCALE
1/4"=1'-0"



OPENING SCHEDULE		
COUNT	PRODUCT CODE	R.O. SIZE
1	2868 OS 9-LITE	R.O. 34" x 81"
1	3068 2-1/2 SL	R.O. 65" x 81 13/16"
1	G 16' x 1' W-GLASS	R.O. 192" x 84"
2	1668	R.O. 20" x 82 1/2"
1	2868 5C	R.O. 34" x 83"
7	2868	R.O. 34" x 82"
1	5068 BIF	R.O. 61 1/2" x 81 3/4"
2	5068	R.O. 62" x 82"
2	5068 SGD	R.O. 60" x 80 1/2"
1	9068 3P SGD	R.O. 108 1/2" x 80 1/2"
1	4038 ACCORDIAN	R.O. 48" x 43 3/4"
1	54 2030	R.O. 24" x 35 3/4"
3	54 3050	R.O. 36" x 59 3/4"
2	(2) 54 3050	R.O. 72 1/4" x 59 3/4"



A circular professional engineer seal for the State of Florida. The outer ring contains the text "JAMES LEE SMITH" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No 36177" is in the center, and "STATE OF FLORIDA" is at the bottom. A stylized signature, "J. Lee Smith", is written across the center of the seal.

Digitally signed by James L Smith
DN: c=US, o=IdenTrust ACES
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ou=Engineering Services Group
LLC, cn=James L Smith,
0.9.2342.19200300.100.1.1=A01097
C0000015628BCBD9D00018ADD
Date: 2017.03.31 22:00:14 -04'00'

AREA	
HEATED SPACE:	1518
GARAGE:	574
COVERED PORCH:	362
ENTRY:	13
TOTAL UNDER ROOF:	2587

NOTES:

1. ALL EXTERIOR WALLS SHOWN AT 3-1/2".
2. ALL INTERIOR WALLS SHOWN AT 3-1/2".
3. DIMENSIONS ARE FROM STUD TO STUD.
4. ALL INTERIOR OPENINGS THAT ARE NOT CENTERED ARE CONSIDERED TO HAVE

① ② ③ ④ ⑤ ⑥

NOTE: SEE DETAIL SHEET FOR DESCRIPTIONS
CORRESPONDING TO TAG NUMBERS

THIS SET OF PLANS HAS BEEN REVIEWED AND IT HAS BEEN DETERMINED THAT NO ADDITIONAL PERMANENT ROOF BRACING IS REQUIRED OTHER THAN WHAT IS CALLED FOR BY THE TRUSS MANUFACTURER'S ENGINEERING AND BY THE GABLE END BRACING DETAIL DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER.

DESIGN CRITERIA: 140 MPH

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF SECTION R301.1 OF THE FLORIDA BUILDING CODE (HURD - RESIDENTIAL) AND ABCE 1-30 FOR 140 MPH WIND SPEED (VULNERATE). YIELD = 108 MPH, CERTIFICATION BY ENGINEER APPLIED TO WIND LOAD ONLY.

RISK CATEGORY 1

BASIC WIND SPEED = 140 MPH (3 SECOND GUSTS)

EXPOSURE CATEGORY = C

TOPOGRAPHICAL FACTOR, K_z = 0.85; EFFECT, G = 0.9

WIND PROTECTION FACTOR, C_e = 0.6 (ENCLOSED)

INTERNAL PRESSURE COEFFICIENT = 0.18 FULLY ENCLOSED

WIND PRESSURES FOR COMPONENTS AND CLADDING FOR WALL GARAGES SHALL BE: 42.1 PSF @ .5T1; 60 PSF (WORST CASE)

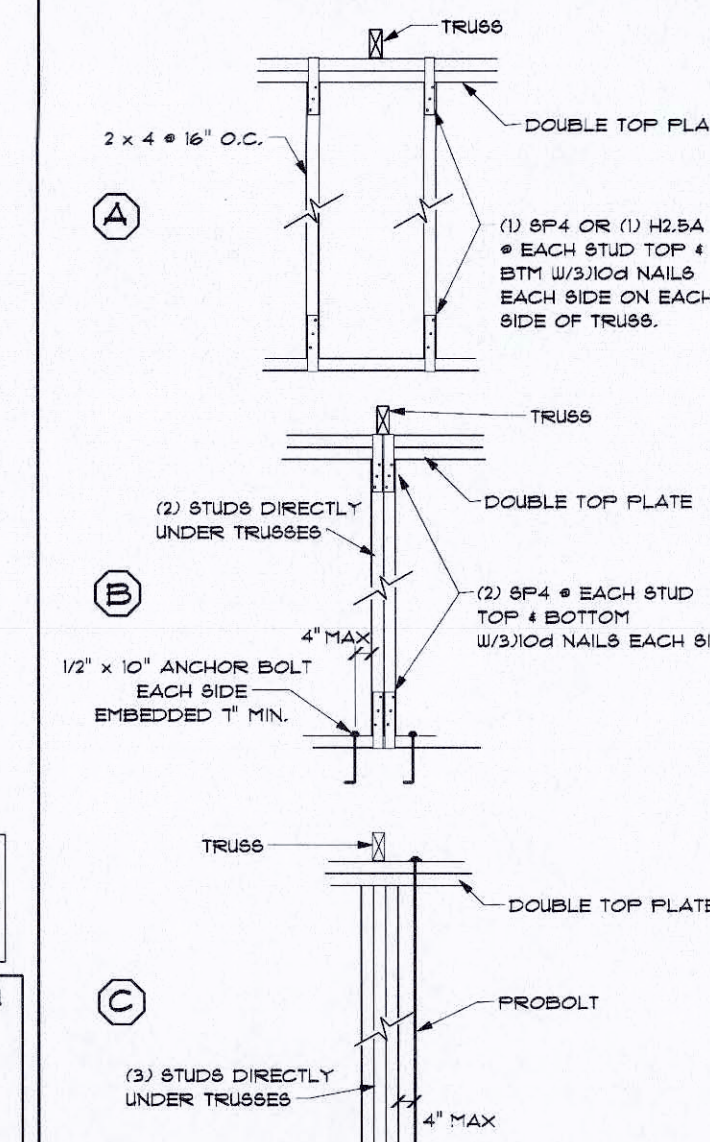
WIND PRESSURES FOR GARAGE DOOR: 42.1, -25.3 (WORST CASE)

WIND PRESSURES FOR GARAGE DOOR: 60.0 PSF @ .5T1

ANCHORING CRITERIA:

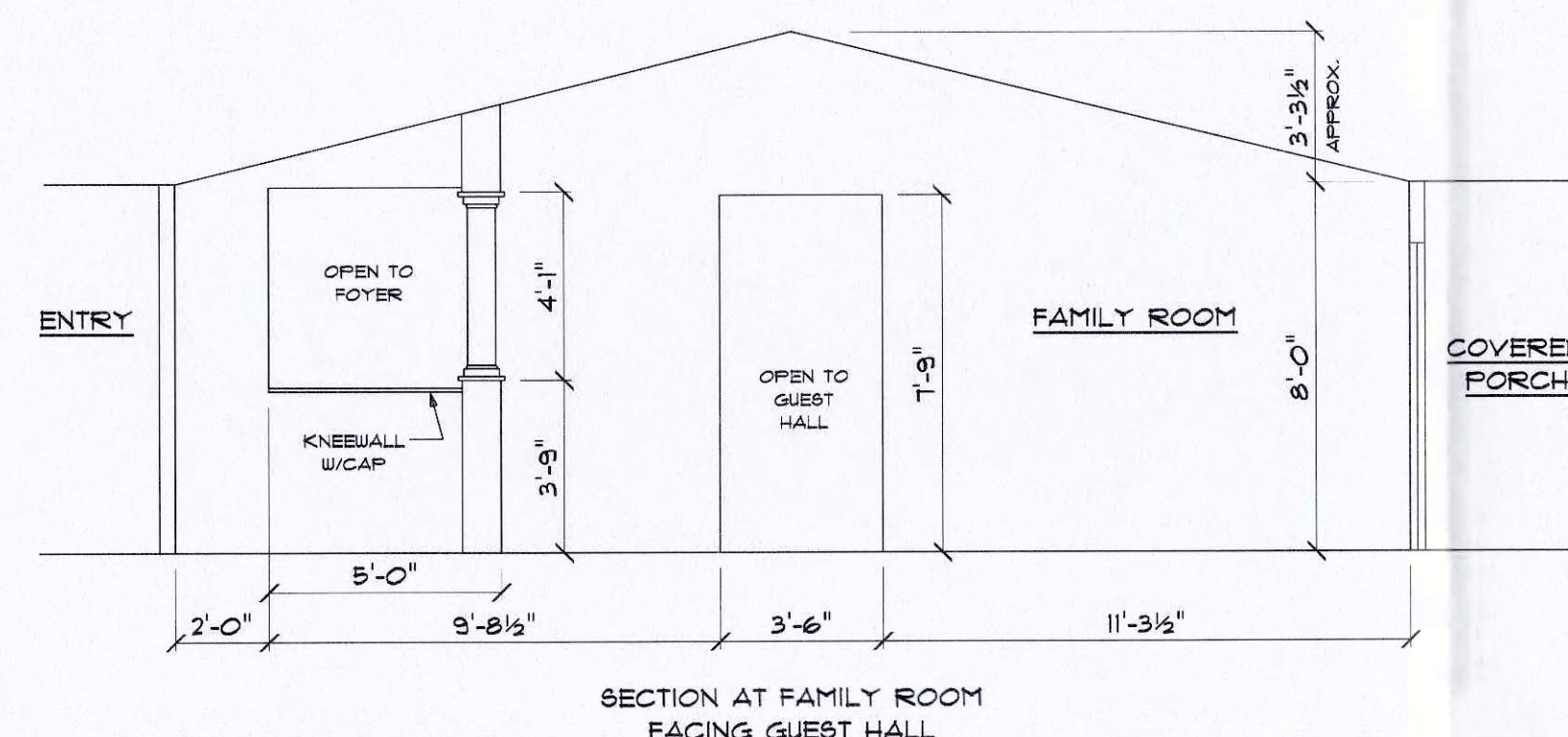
NOTE:
UNLESS OTHERWISE NOTED ON THIS SHEET,
CONSTRUCT WALLS BASED ON TYPICAL
WALL SECTION SHOWN ON DETAIL SHEET.

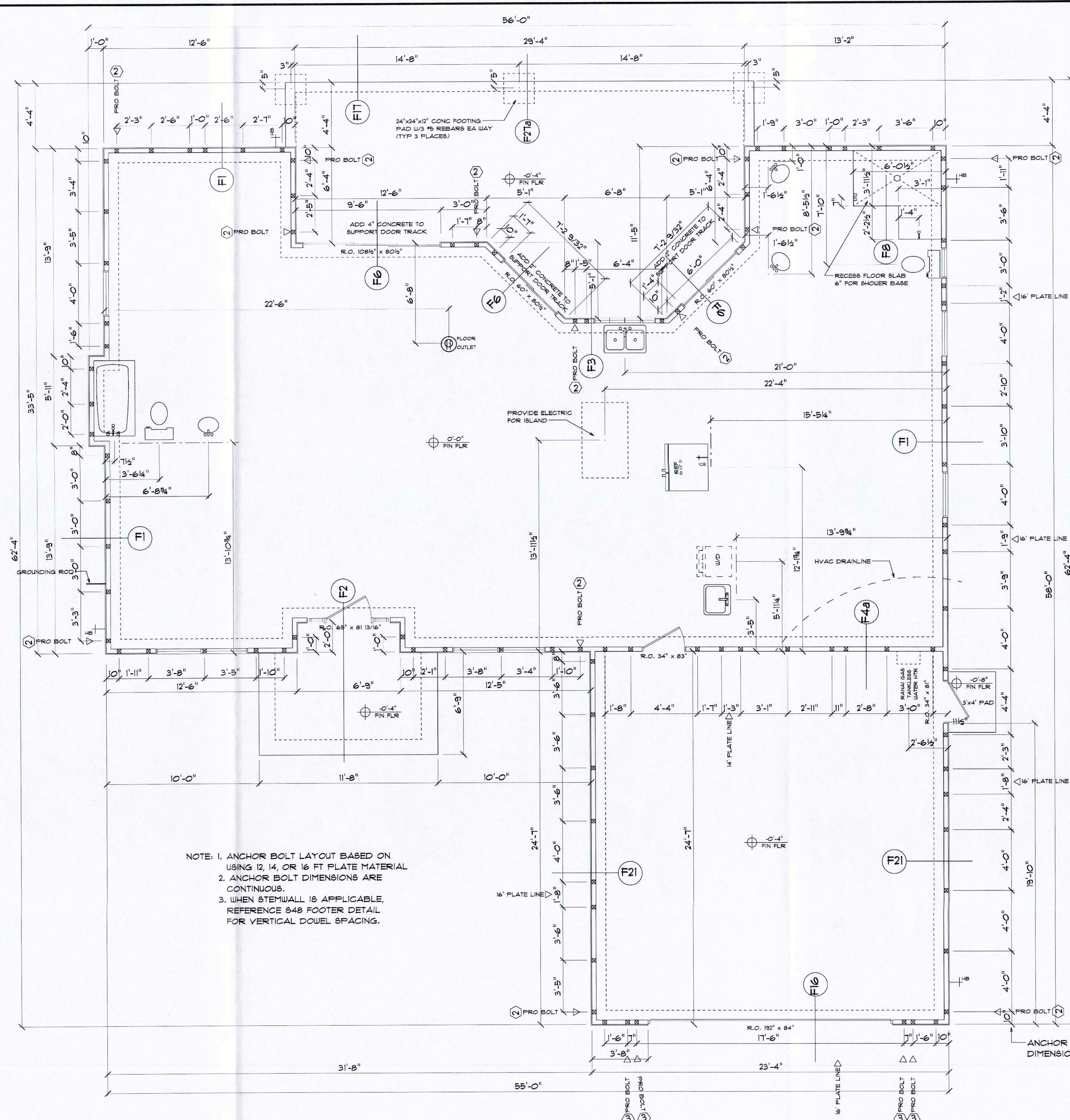
- (A) WHERE TRUSS UPLIFT IS BETWEEN
500-900 LBS, CONSTRUCT USING DETAIL A
- (B) WHERE TRUSS UPLIFT IS BETWEEN
901-1200 LBS, CONSTRUCT USING DETAIL B
- (C) WHERE TRUSS UPLIFT IS BETWEEN
1201- 4500 LBS. CONSTRUCT USING DETAIL C



NOTE:
TRUSSES WITH GRAVITY LOADS BETWEEN
6500 & 7500 LBS USE (4) STUDS OR (1)
4x4 POST DIRECTLY UNDER.
7501 TO 9000 LBS USE 5 STUDS.

NOTE: THE AFFIXED SEAL AND SIGNATURE OF J. LEE SMITH IS FOR THE STRUCTURAL ELEMENTS OF THESE DRAWINGS AND INFORMATION AS PRESENTED HEREIN.
WE ASSUME NO RESPONSIBILITY FOR ARCHITECTURAL DESIGN, DIMENSIONS, ITEMS OR CONDITIONS NOT REPRESENTED IN THESE DRAWINGS OR NOT PROPERLY NOTED, OR OTHER CONTENT OF ANY OF THE ORIGINAL OR REPRODUCED DOCUMENTS.

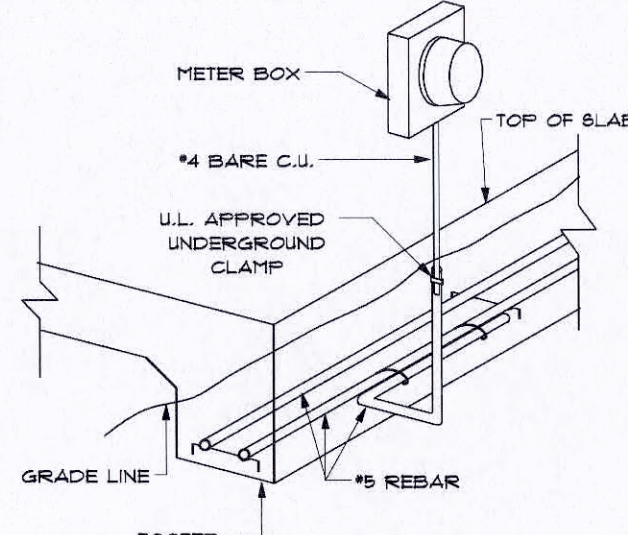


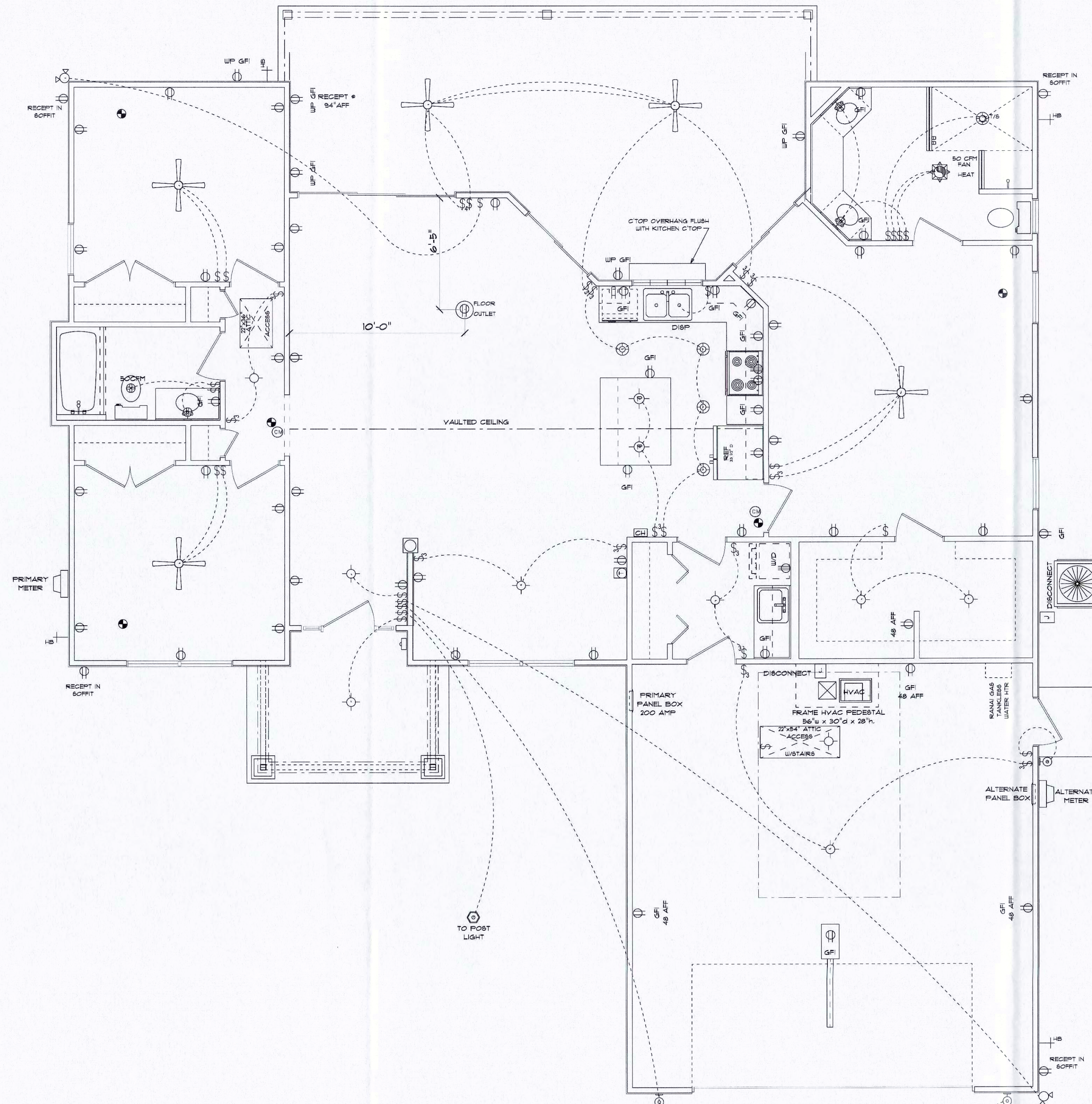


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0.9.2342.19200300.100.1.1=A010
97C0000015628BCBD9D00018A
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Date: 2017.03.31 22:04:11 -04'00'





AREA	
HEATED SPACE:	1578
GARAGE:	574
COVERED PORCH:	362
ENTRY:	73
TOTAL UNDER ROOF: 2587	

NOTE: 200 AMP MAIN SERVICE WITH 4/0 ALU XHHW
SERVICE ENTRANCE CONDUCTORS, 4/0 ALU XHHW
NEUTRAL WITH #4 CU GROUNDING CONDUCTOR
MINIMUM, AND 1 APPROVED CONCRETE ENCASED
ELECTRODE (UFER), PER N.E.C. 2011

NOTE: ALTERNATE METER TO SERVICE PANEL
CONDUCTORS ARE RUN UNDER SLAB.
SERVICE DISCONNECT MEANS SHALL BE
INSTALLED AT A READILY AVAILABLE
LOCATION - PER NEC 230.10(A)(1)

ELECTRICAL SYMBOL LEGEND

FAN / LIGHT COMBO		DUPLEX / QUADPLEX RECEPT	
FREQUIRE FAN ONLY		RECEPT GFI 48" AFF	
LIGHT TYPICAL		RECEPT GFI 48" AFF	
UNDER CABINET LIGHT		EXTERIOR RECEPT	
WALL MOUNTED LIGHT		GFI 4 WATERPROOF	
RECESSED CAN LIGHT		RECEPT 48" AFF FOR PREWIRED SPRINKLER SYS.	
WATER PROOF RECESSED CAN LIGHT		HALF SWITCHED RECEPT, FULL SWITCHED RECEPT.	
EXHAUST FAN VARIOUS CFM		220 VOLT RECEPT.	
EXHAUST FAN WITH LIGHT VARIOUS CFM		FLOOR RECEPT.	
FLOOD LIGHT		HALF SWITCHED FLOOR RECEPT.	
FLUORESCENT LIGHT 12 x 48		CEILING MOUNT RECEPT, FOR GARAGE DOOR OPENER	
FLUORESCENT LIGHT 24 x 24		GARAGE DOOR OPENER	
FLUORESCENT LIGHT 24 x 48		SWITCH	
RECESSED DIRECTIONAL FOOTCANDLE		SWITCH W/ DIMMER	
PENDANT LIGHTING		SWITCH W/ RHEOSTAT	
DOOR BELL / CHIME		SWITCH 3 WAY	
JUNCTION BOX		SWITCH 4 WAY	
CABLE CONNECTION		CABLE TELEVISION LINE	
		TELEPHONE LINE	
		THERMOSTAT / HUMIDISTAT	
		CARBON MONOXIDE / SMOKE DETECTOR	
		GARBAGE DISPOSAL PREWIRED ONLY	
		GARBAGE DISPOSAL INSTALLED	
		INSTALLATION LOCATIONS (ALL ARE INDICATED AS ABOVE FINISHED FLOOR)	
		SWITCHES: 48" W/ASHER/DRYER, 36" RECEPTS: 14" REFRIGERATOR, 36" TELEVISION: 14" CABLE IN KITCHEN, 42" W.I.C. RECEPT: 48" PHONE IN KITCHEN, 40"	

1. - ALL OUTLETS IN HABITABLE AREAS SHALL BE TAMPER RESISTANT TYPE & ARC FAULT PROTECTED WHERE REQUIRED.
2. - ALL RECEPTACLES THAT SERVE BATHROOM & KITCHEN COUNTERTOPS SHALL BE GFI PROTECTED.
3. - ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF & GFI
4. - ALL GARAGE RECEPTACLES SHALL BE GFI AND 48" AFF
5. - GFI SPRINKLER RECEPT PROVIDED SYSTEM INSTALLED BY OTHERS
6. - RECEPT FOR DISHWASHER SHALL BE INSTALLED UNDER SINK CABINET, SAME SIDE.
7. - MOUNT EXTERIOR UP GFI'S AT 8" AFF
8. - MOUNT ALL ENTRY SCONCES 4" TO 5" AFF
9. - ALL SWITCH BOXES MOUNTED A MINIMUM OF 8" FROM DOOR OPENINGS
10. - EXTERIOR CEILING LIGHT FIXTURES SET AT 3/4" FOR VINYL CEILING
11. - WHEN A POOL PREWIRED IS REQUESTED, IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO CONTACT POOL CONTRACTOR FOR LAYOUT OF POOL. THIS IS TO INSURE PROPER LOCATION OF WEATHERPROOF RECEPTACLE.

ENGINEERING SERVICES GROUP, LLC
4400 N HWY 19-A SUITE 2
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CA # 8886
J. LEE SMITH, PE # 36177
PH. 352-388-1735

CUSTOM HOME

HOME FOR:
ALLEN & REBECCA
BATES

DRAWN BY

MEB

DATE

3/17/17

SCALE

1/4"=1'-0"

REVISION

DATE

BY

REVISION

DATE

BY

REVISION

DATE

BY

REVISION

DATE

BY

REVISION