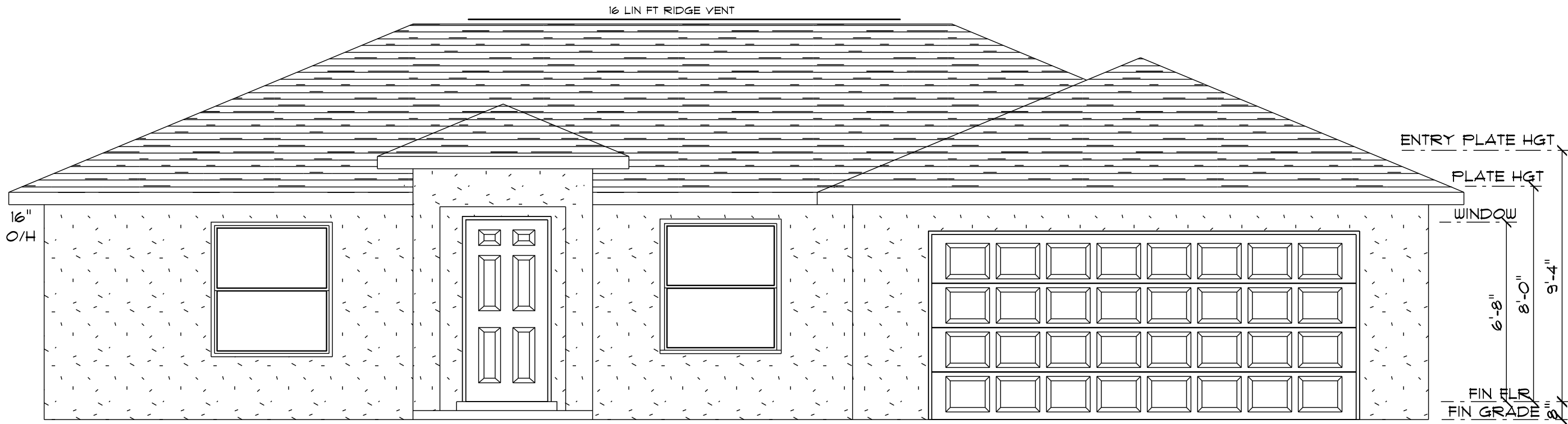
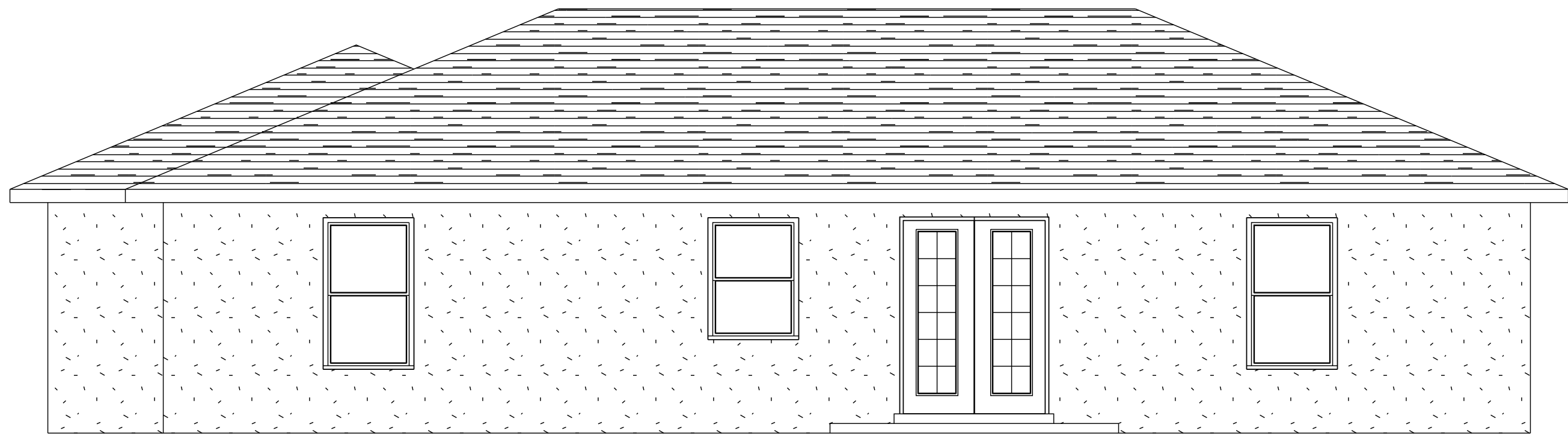




FRONT ELEVATION

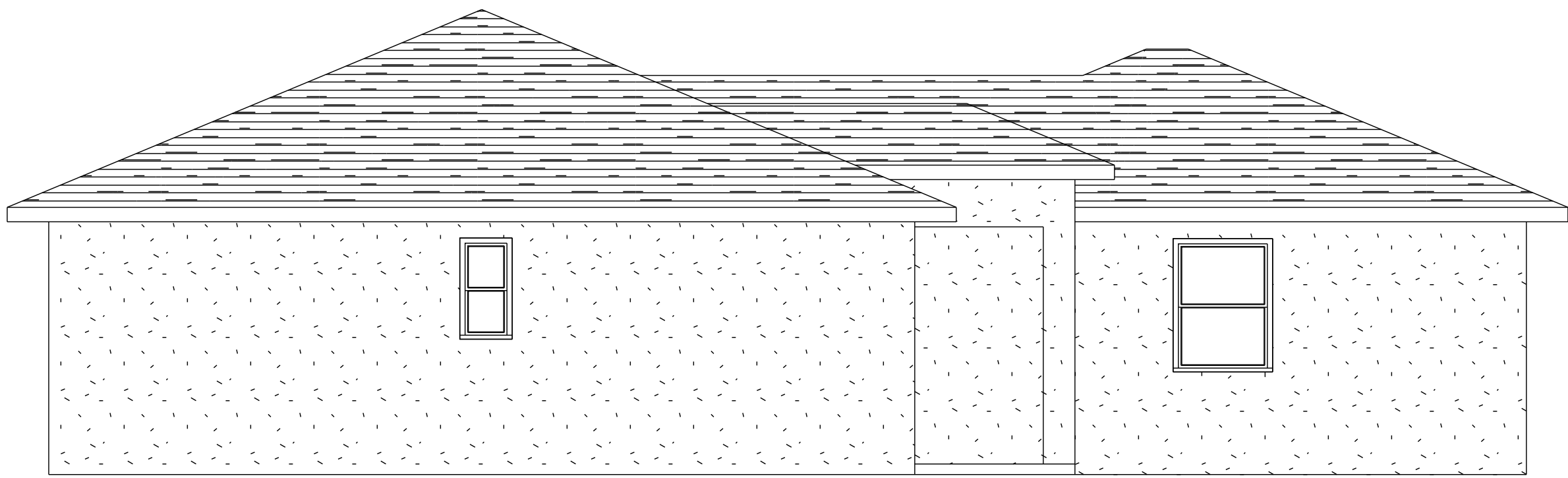
NOTE: ALL OPENINGS THAT ARE TO BE CONSIDERED HAZARDOUS LOCATIONS SHALL MEET SECTION R308.4 OF IBC 7th EDITION - RESIDENTIAL



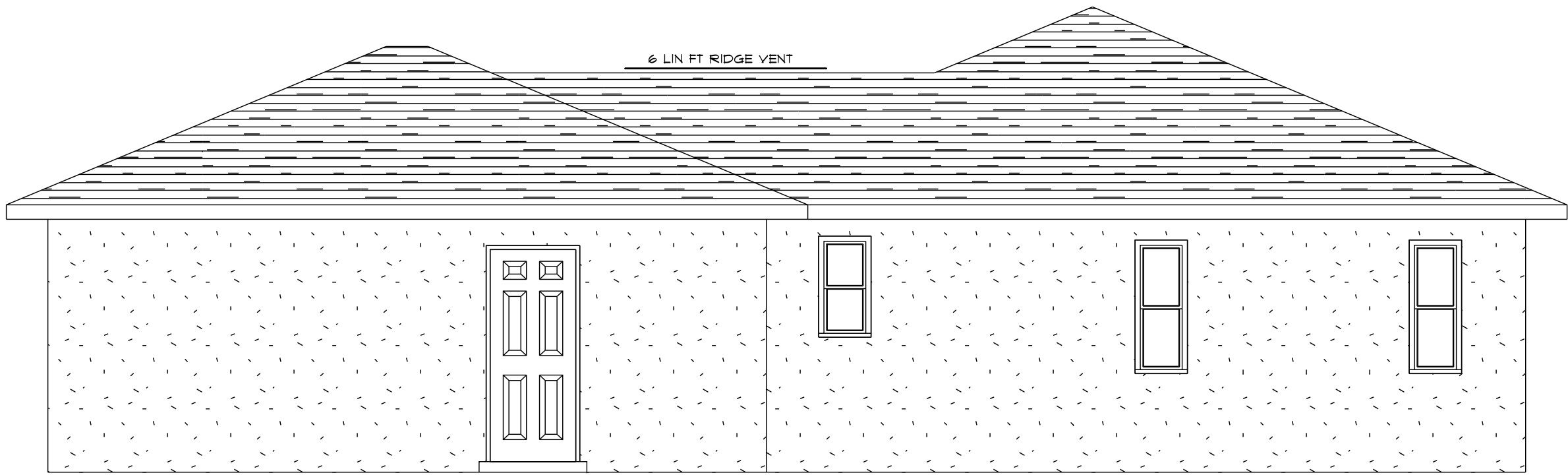
REAR ELEVATION

ATTIC VENTILATION CALCS
1/300 RULE

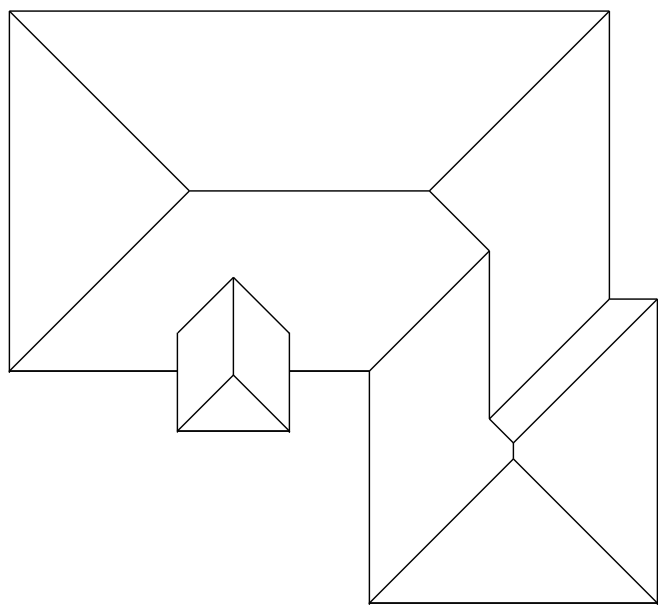
298 SQ. IN. AT EAVE
298 SQ. IN. AT OR NEAR RIDGE



LEFT ELEVATION



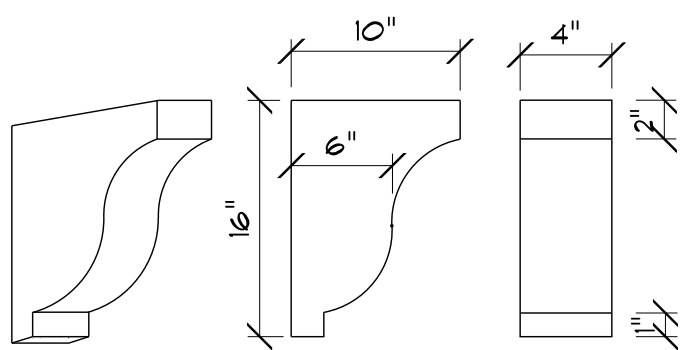
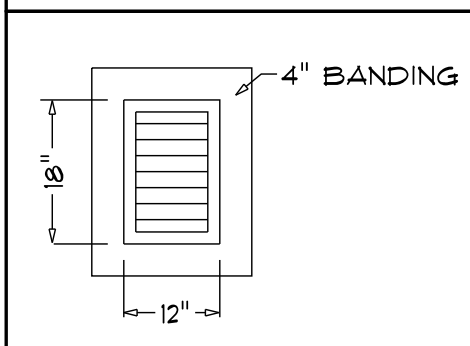
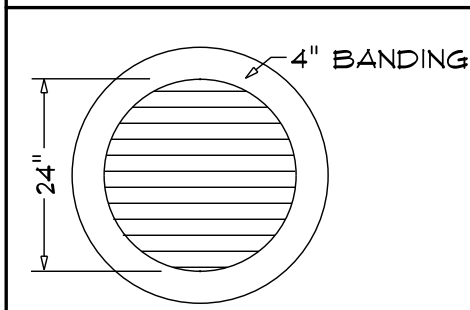
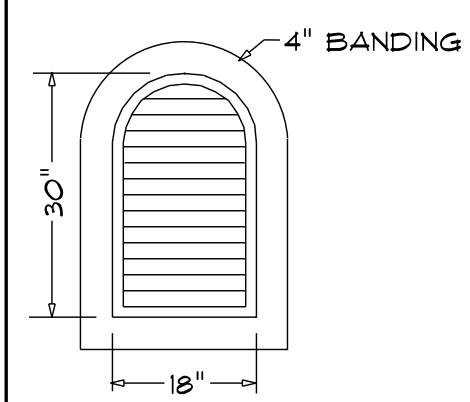
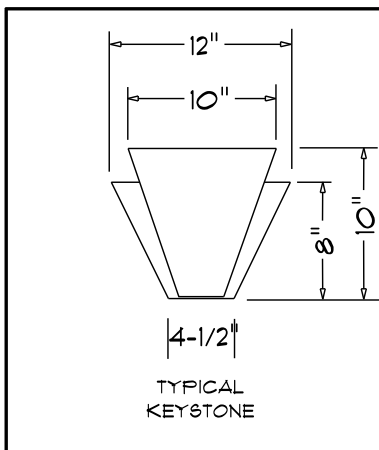
RIGHT ELEVATION



ROOF PLAN

SHEET INDEX

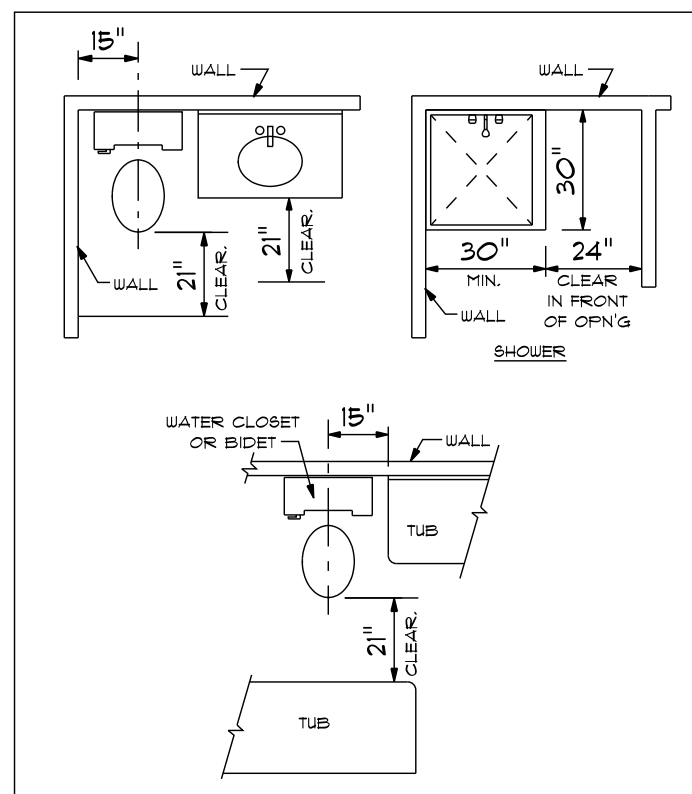
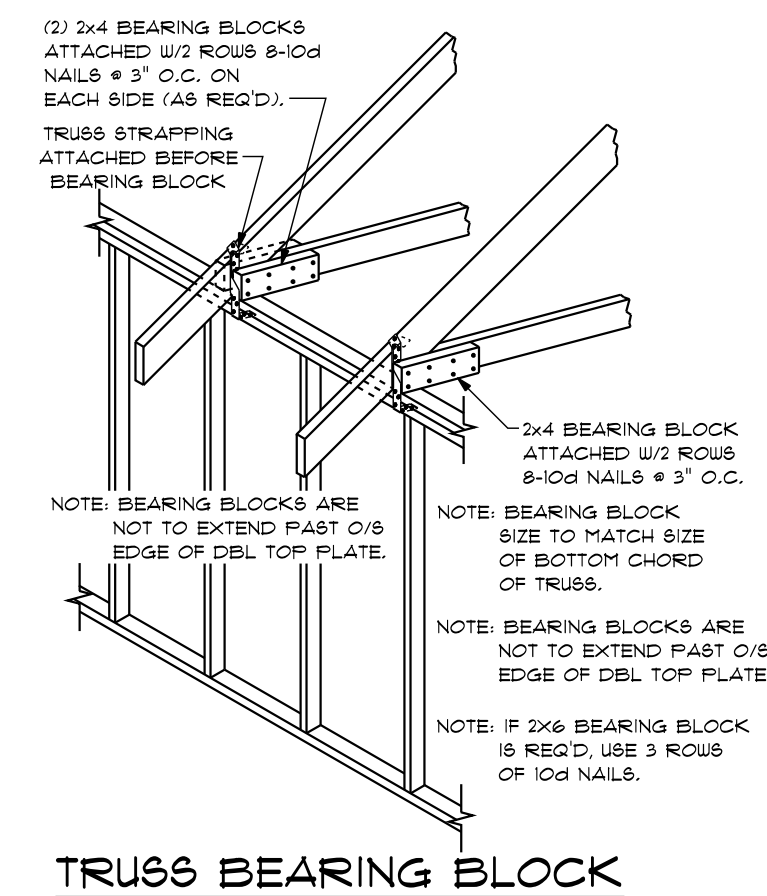
- A001 - ELEV
- A002 - FLOOR PLAN
- A003 - FDN
- A004 - TRUSSES
- A005 - DETAILS
- E001 - ELEC



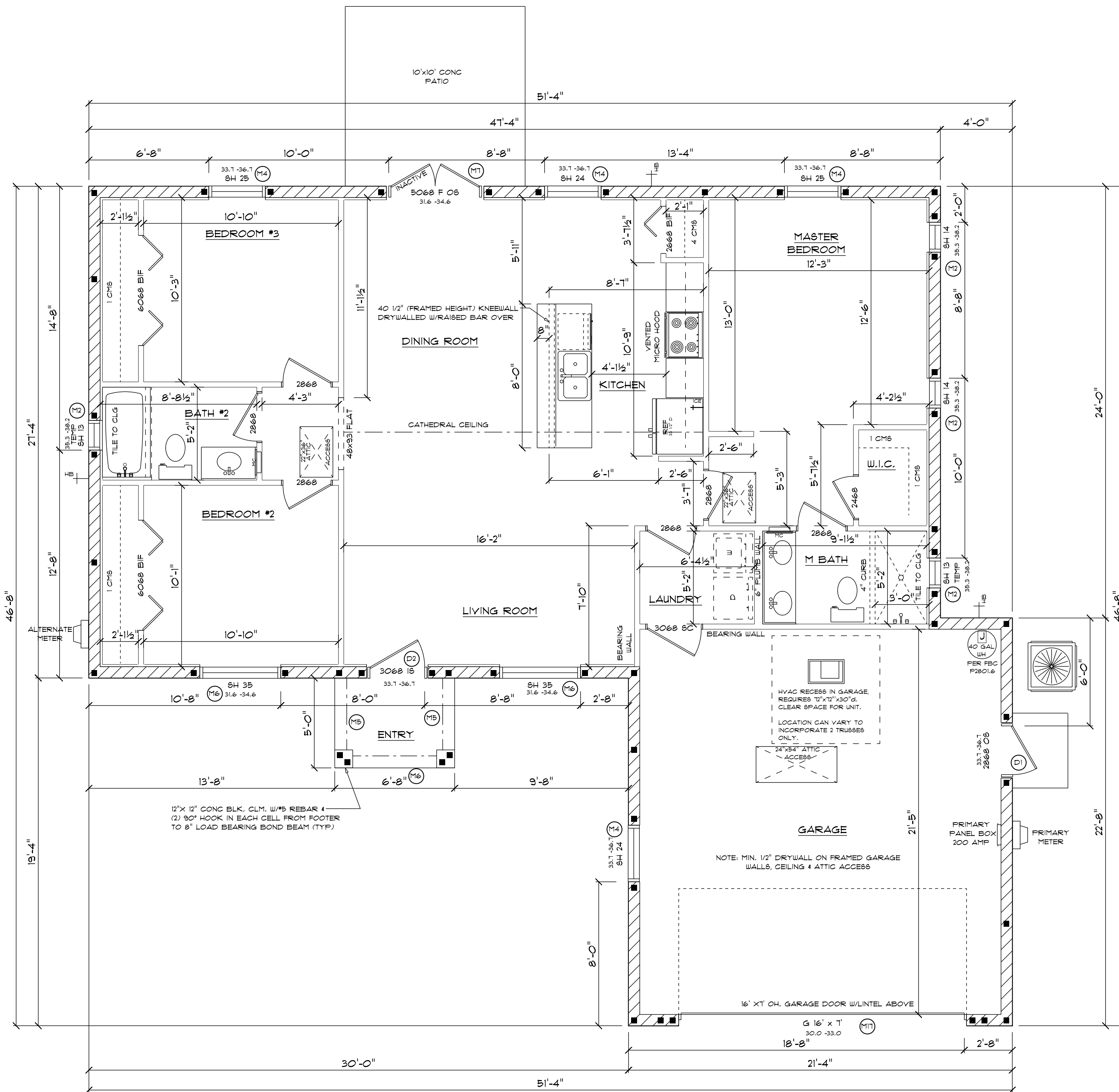
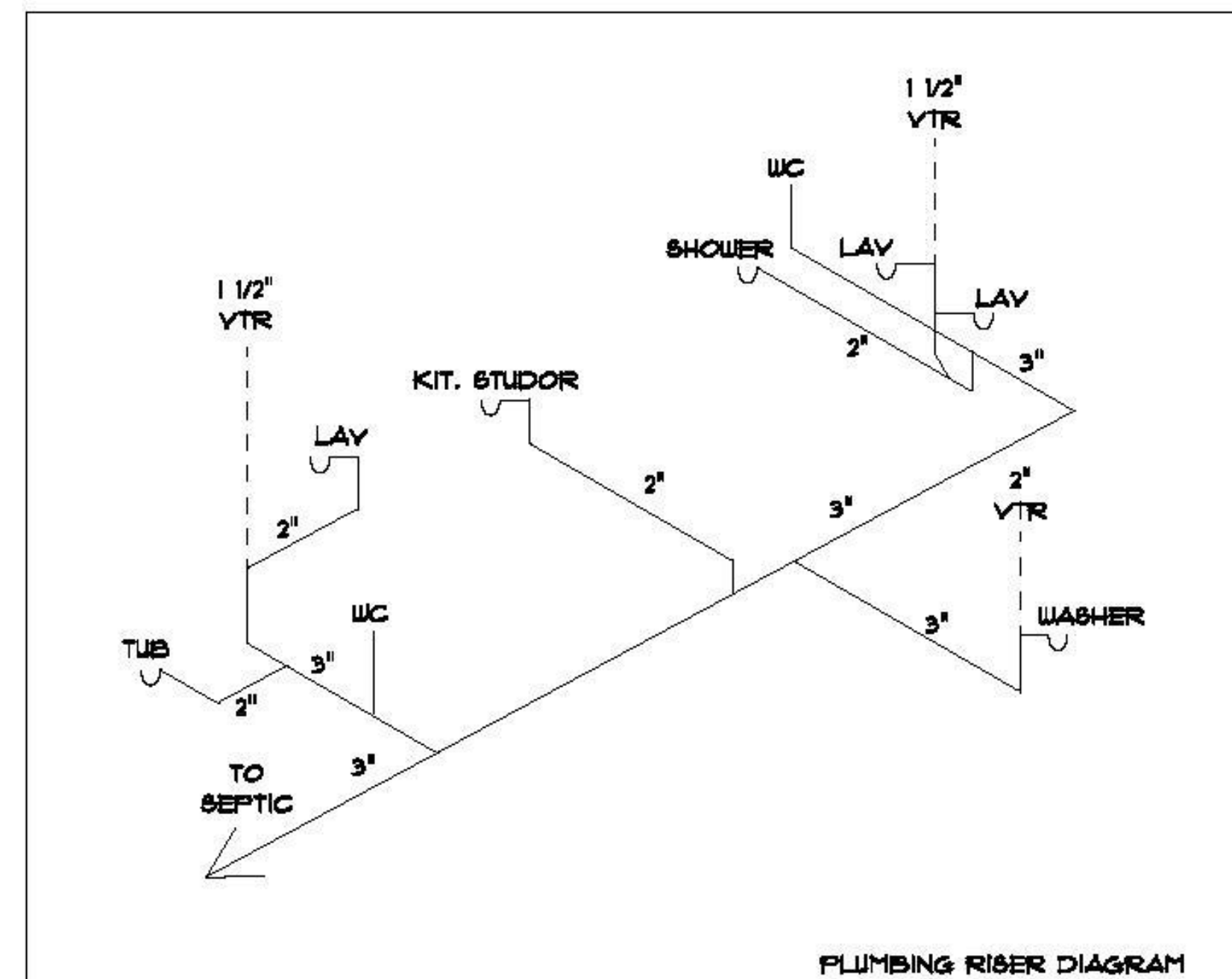
NOTE: ATTACH CEDAR CORBEL TO 2X4 BLOCKING W/ (2) 1/4"x4" SCREWS AND GLUE TO FACE OF SHEATHING.

EXTERIOR CORBEL

REVISION	DATE	PROJECT NUMBER	DATE	SCALE	DRAWN BY
		102	11/8/2022	1/4" = 1'-0"	JMM
SUB DIVISION					
THE FLAMINGO					
LOT: XX BLOCK: XX					
HOME FOR: ADRIANA & JAFFET MARTINEZ					
Van Der Valk Construction					
1601 N. Hermoso Ave. Hermoso B. 34412					
Van Der Valk Construction					
1601 N. Hermoso Ave. Hermoso B. 34412					
TITAN HOME DESIGNS LLC					
P.O. BOX 83952					
OCALA, FLORIDA 34482-952					
ENGINEERING SERVICES GROUP, LLC					
391 W. ALFRED ST					
TAVARES, FLORIDA 32778					
CA # 8886					
J. LEE SMITH, PE # 36177					
PH. 352-388-1735					
SHEET NO.					
A001					



OPENING SCHEDULE		
COUNT	PRODUCT CODE	R.O. SIZE
1	2668 CB	R.O. 37" x 82 1/2"
1	3068 B5	R.O. 41" x 83 1/2"
1	5068 F CB	R.O. 65" x 82 1/2"
1	Q 16" x 7"	R.O. 152" x 84"
1	2468	R.O. 30" x 82 1/2"
1	2668 B1P	R.O. 31 1/2" x 81 1/2"
2	2668 PKT	R.O. 66" x 84 1/2"
4	2668	R.O. 34" x 82 1/2"
1	3068 SC	R.O. 38" x 82"
2	6068 B1P	R.O. 73 1/2" x 87 1/2"
2	B4 13	R.O. 15 1/2" x 38 1/2"
2	B4 14	R.O. 15 1/2" x 50 1/2"
2	B4 24	R.O. 37 1/2" x 50 1/2"
2	B4 25	R.O. 37 1/2" x 63"
1	B4 35	R.O. 54" x 63"



FLOOR PLAN

AREA	
HEATED SPACE:	1249
GARAGE:	471
COVERED PORCH:	N/A
ENTRY:	33
TOTAL UNDER ROOF:	1753

BLOCK WALL NOTES:

■ = CONCRETE BLOCK CELL FILLED W/3000 PSI GROUT
W/1) 95 REBAR FROM FOOTER TO BOND BEAM, 8" O/C,
8TD, 90 DEG. HOOKED DOWEL INTO FOOTER 4 BOND
BEAM, VERTICAL REBARS TO LAP DOWELS MINIMUM 25"
1#5 REBAR REQUIRED IN BOND BEAM, 25" LAP 6PLICES.
ALL OPENINGS TO HAVE ENGINEERED LINTELS WITH
CELL FILLED W/3000 PSI GROUT EA. SIDE AND
REINFORCED C.M.U. BOND BEAM, SEE SCHEDULE.

ALL EXTERIOR BLOCK WALL SEGMENTS WITHOUT OPENINGS
SHALL BE CONSTRUCTED AS SHEAR WALLS.

DESIGN CRITERIA:

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE FLORIDA BUILDING CODE 7th EDITION - RESIDENTIAL 2006 AND ASCE 7-16 FOR 140 MPH WIND SPEED (V=140 MPH, V₁₀₀ = 129 MPH, CERTIFICATION BY ENGINEER APPLIES TO WIND LOAD ONLY).

RISK CATEGORY II

BASIC WIND SPEED 140 MPH (3 SECOND GUSTS)

EXPOSURE CATEGORY - B

TOPOGRAPHICAL FACTOR K_z 1.0 GUST EFFECT, G=0.85

WIND DIRECTION FACTOR K_d 0.85 BUILDING CATEGORY - ENCLOSED

INTERNAL PRESSURE COEFFICIENT +/- 0.18 FULLY ENCLOSED

WIND PRESSURES FOR COMPONENTS AND CLADDING FOR WALL ELEMENTS SHALL BE +25.6 PSF & -33.9 PSF (WORST CASE)

GARAGE DOOR DESIGN PRESSURE -22.4, -28.3 (WORST CASE)

NOTE: WHEN TWO WATER HEATERS ARE
REQUIRED, PLUMB SEPERATELY
NOT TO BE IN SERIES.

NOTES:

1. ALL EXTERIOR WALLS SHOWN AT 7-1/2".
2. ALL INTERIOR WALLS SHOWN AT 3-1/2".
3. DIMENSIONS ARE FROM STUD TO STUD.
4. ALL INTERIOR OPENINGS THAT ARE NOT DIMENSIONED OR CENTERED ARE CONSIDERED TO HAVE A 4" RETURN.

LINTEL SCHEDULE				SAFE LOADS (PLF) 8" x 8" RECESS DOOR HEADER			
DOOR LINTEL				GRAVITY	UPLIFT	LATERAL	
#	LENGTH	CLEAR SPAN	TYPE	UNFILLED	FILLED	FILLED	
				8R6	8R6-CB	8R6-F	
					8R6-1B	8R6-2T	8R6 8R6
D-1	4'-4"	3'-0" (36')	PRECAST	1635	1743	1893	305 158 151
D-2	4'-6"	3'-2" (38')	PRECAST	1484	1596	1756	267 861 694 403
D-3	5'-8"	4'-4" (42')	PRECAST	866	920	1115	615 675 408 607
D-4	5'-10"	4'-6" (44')	PRECAST	810	873	1115	655 585 382 381
D-5	6'-8"	5'-4" (64')	PRECAST	781	901	901	505 510 595 788
D-6	7'-6"	6'-2" (74')	PRECAST	669	755	876	506 506 505 674
D-7	9'-8"	8'-0" (100')	PRECAST	411	466	526	385 358 370 490

LINTEL SCHEDULE

SAFE LOADS (PLF)

8" x 8" HEADER

LINTEL				GRAVITY								UPLIFT		LATERAL	
#	LENGTH	CLEAR SPAN	TYPE	8UB	FILLED		FILLED		FILLED		FILLED		8UB	8FL	
					8UB-1B	8UB-1B	8UB-1B	8UB-1B	8UB-2T	8UB-2T	8UB-1B	8UB-1B			
M-1	2'-0"	1'-6" (18")	PRECAST	2231	3063	3063	613	613	197	197	4462	4462	793	164	
M-2	3'-6"	2'-6" (36")	PRECAST	2231	3063	3063	613	613	1563	1563	3847	3847	1029	102	
M-3	4'-0"	2'-8" (32")	PRECAST	1366	5961	5961	387	387	1363	1363	3079	3079	165	16	
M-4	4'-6"	3'-2" (38")	PRECAST	1593	3693	3693	293	613	1021	1021	2274	2274	292	55	
M-5	5'-6"	4'-0" (48")	PRECAST	1212	1343	663	316	5365	1016	2202	2290	411	340	33	
M-6	5'-0"	4'-6" (54")	PRECAST	1067	1058	1491	621	835	102	102	2033	2033	443	103	
M-7	6'-6"	5'-2" (62")	PRECAST	3028	238	1238	328	3480	835	928	1880	1880	301	721	
M-8	7'-6"	6'-2" (74")	PRECAST	143	1011	1011	263	2661	721	133	1634	1634	424	53	
M-9	8'-6"	8'-0" (96")	PRECAST	584	699	752	1628	1434	591	191	1326	1326	360	50	
M-10	10'-6"	8'-2" (110")	PRECAST	475	593	582	1241	1583	530	914	188	188	284	40	
M-11	11'-4"	10'-0" (120")	PRECAST	362	582	582	1364	1666	434	198	1026	1026	260	38	
M-12	12'-0"	10'-8" (128")	PRECAST	331	540	540	1254	1610	410	140	928	928	244	40	
M-13	13'-4"	12'-0" (144")	PRECAST	296	471	471	1016	1075	418	606	710	710	217	34	
M-14	14'-4"	12'-8" (152")	PRECAST	273	424	444	1001	1002	510	410	510	510	205	28	
M-15	14'-8"	13'-6" (162")	PRECAST	NR	NR	458	1370	129	246	513	685	NR	NR	NR	
M-16	15'-4"	14'-0" (168")	PRECAST	NR	NR	412	NR	250	224	405	603	NR	NR	NR	
M-17	17'-4"	16'-0" (192")	PRECAST	NR	NR	303	NR	950	181	324	500	NR	NR	NR	
M-18	19'-4"	18'-0" (216")	PRECAST	NR	NR	235	NR	150	162	341	424	NR	NR	NR	
M-19	21'-4"	20'-0" (240")	PRECAST	NR	NR	180	NR	598	142	142	306	369	NR	121	
M-20	22'-0"	20'-8" (248")	PRECAST	NR	NR	169	NR	550	131	131	295	384	NR	116	
M-21	24'-0"	22'-8" (272")	PRECAST	NR	NR	123	NR	450	124	124	267	316	NR	91	

NR: NOT RECOMMENDED

(*) THE NUMBERS IN PARENTHESES ARE PERCENT REDUCTIONS FOR GR40 FILL ADDED REBAR.

PowerBlox 3			LINTEL 3			LINTEL LOADS (PLF)					
GRAVITY LOAD TABLE									8' BLOCK WIDTH		
M-22	LENGTH	FBlock 8-8'	FBlock 8-8'	FBlock 8-2"	FBlock 8-2"	FBlock 8-2"	FBlock 8-2"	FBlock 8-2"	FBlock 8-2"	FBlock 8-2"	FBlock 8-2"
		# Top	# Top	# Top	# Top	# Top	# Top	# Top	# Top	# Top	# Top
M-22	1'-6"	5568	5568	3363	3363	8269	8269	9170	9170	10971	10971
M-22	2'-2"	3836	3836	5074	5074	5694	5694	6313	6313	7519	7519
M-1	2'-8"	3106	3106	4101	4101	4607	4607	5107	5107	6108	6108
M-2	3'-2"	2606	2606	3444	3444	3868	3868	4283	4283	5121	5121
M-3	4'-0"	2051	2051	2709	2709	3034	3034	3366	3366	4024	4024
M-4	4'-6"	1916	1916	2398	2398	2689	2689	2980	2980	3561	3561
M-5	5'-2"	1574	1574	2071	2071	2329	2329	2580	2580	3083	3083
M-6	6'-2"	1291	1291	1726	1726	1935	1935	2143	2143	2560	2560
M-7	7'-0"	989	989	1346	1346	1510	1510	1692	1692	2118	2118
M-8	8'-8"	1146	1146	1510	1510	1669	1669	1828	1828	2252	2252
M-9	9'-2"	582	582	1033	1033	1268	1268	1404	1404	1678	1678
M-10	10'-4"	494	494	929	929	1131	1131	1271	1271	1524	1524
M-10	11'-2"	352	352	666	666	881	881	1023	1023	1349	1349
M-11	12'-0"	297	297	418	418	652	652	895	895	1045	1045
M-12	12'-8"	261	261	369	369	576	576	810	810	1173	1173
M-13	13'-4"	228	228	328	328	511	511	735	735	1017	1017
M-14	14'-0"	203	203	292	292	456	456	651	651	919	919
M-16	16'-0"	315	284	386	530	492	683	688	775	1166	1231
M-18	18'-0"	151	211	286	400	364	494	519	588	891	946
M-26	18'-8"	142	192	266	365	334	452	474	539	818	869
M-28	20'-0"	104	145	195	281	254	350	365	418	641	682
M-27	22'-8"	16	110	147	219	193	273	284	327	508	543
M-28	24'-0"							334	384	485	625
M-21	26'-0"							267	309	391	551

(20 GA @ 16'-0" SPAN)
(16 GA) = 16'-0" SPAN)

3000 PSI GROUT

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.

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 OTHER THAN THE STRUCTURAL COMPONENTS AND THEIR CONNECTIONS

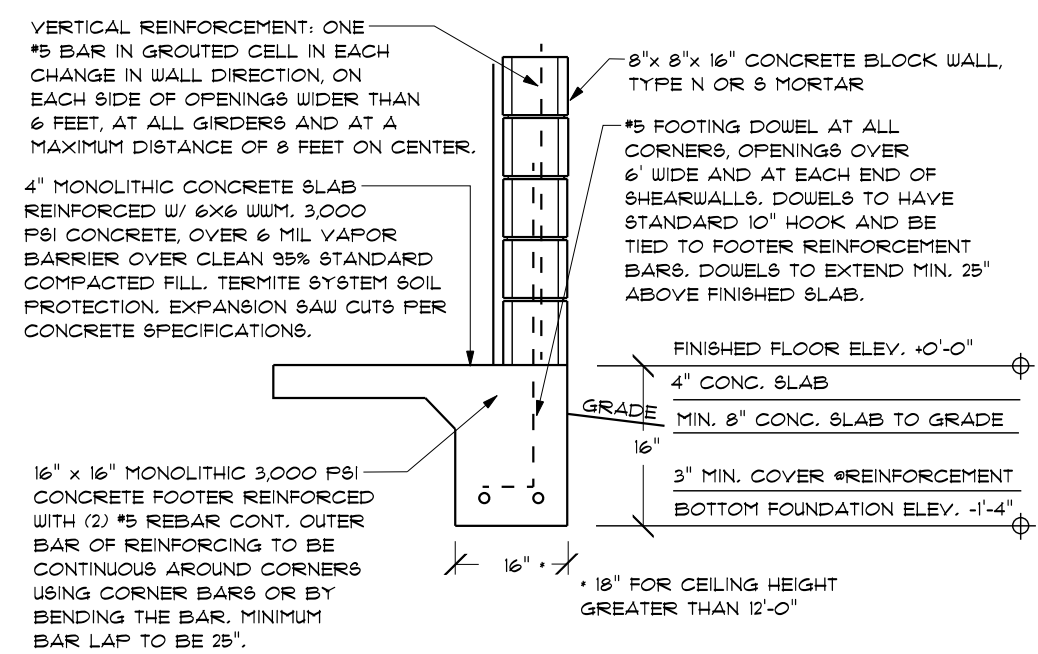
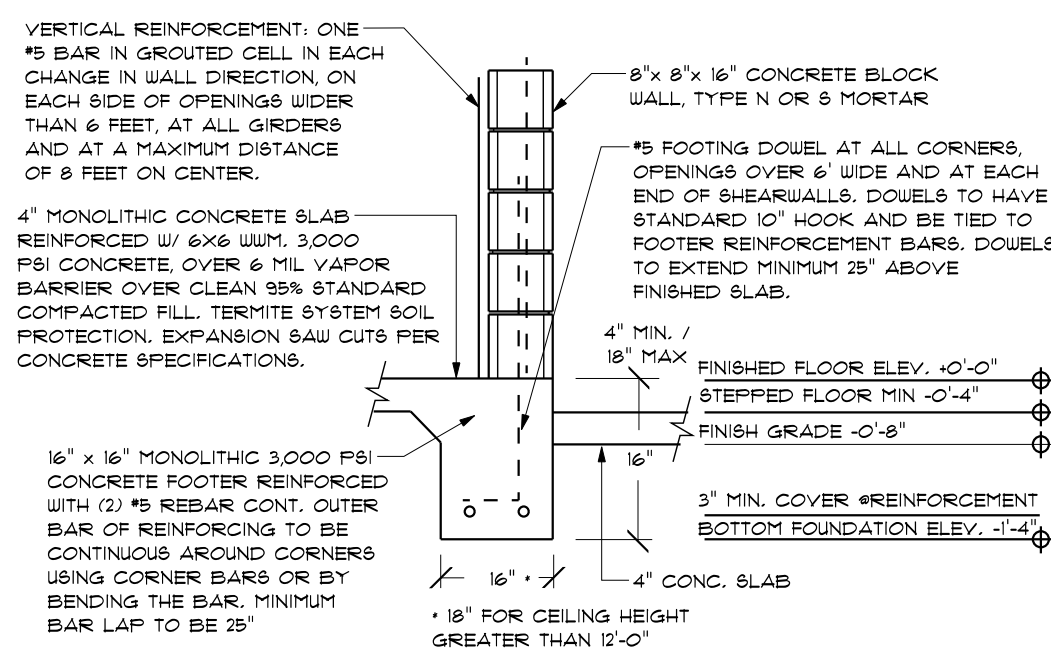
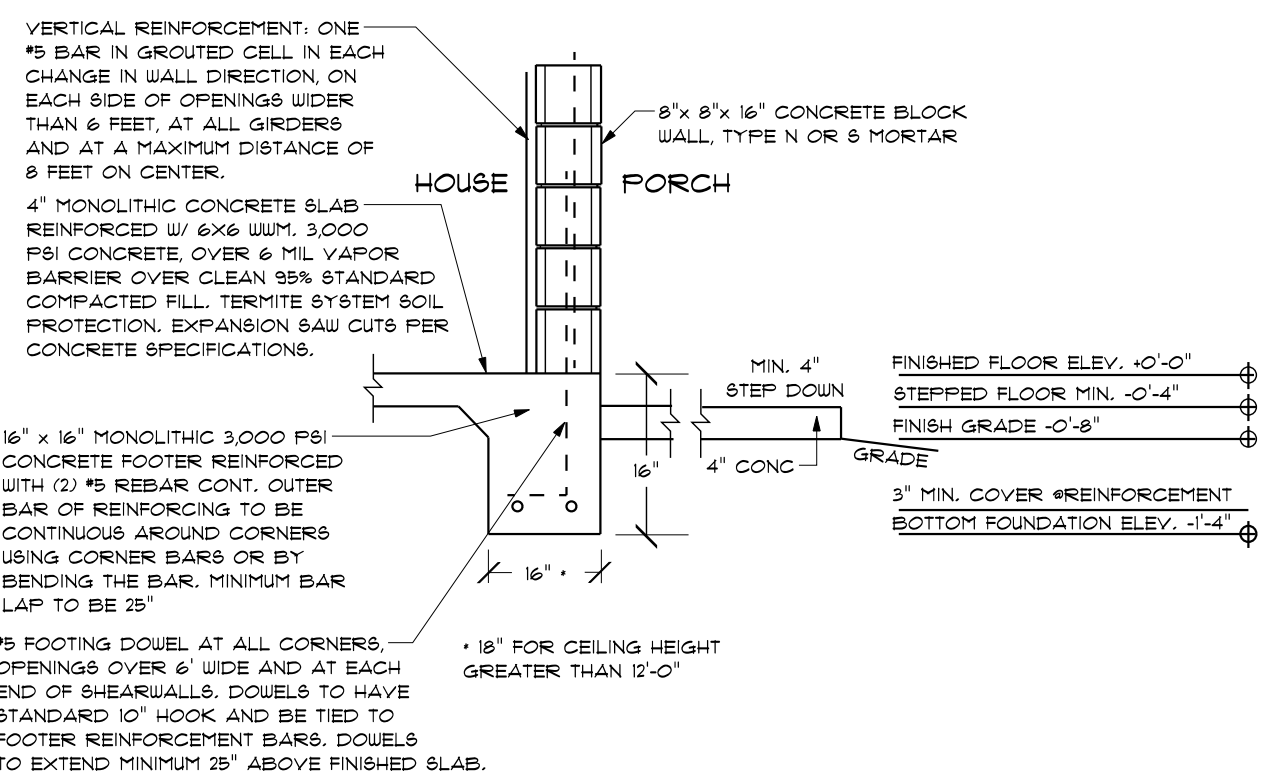


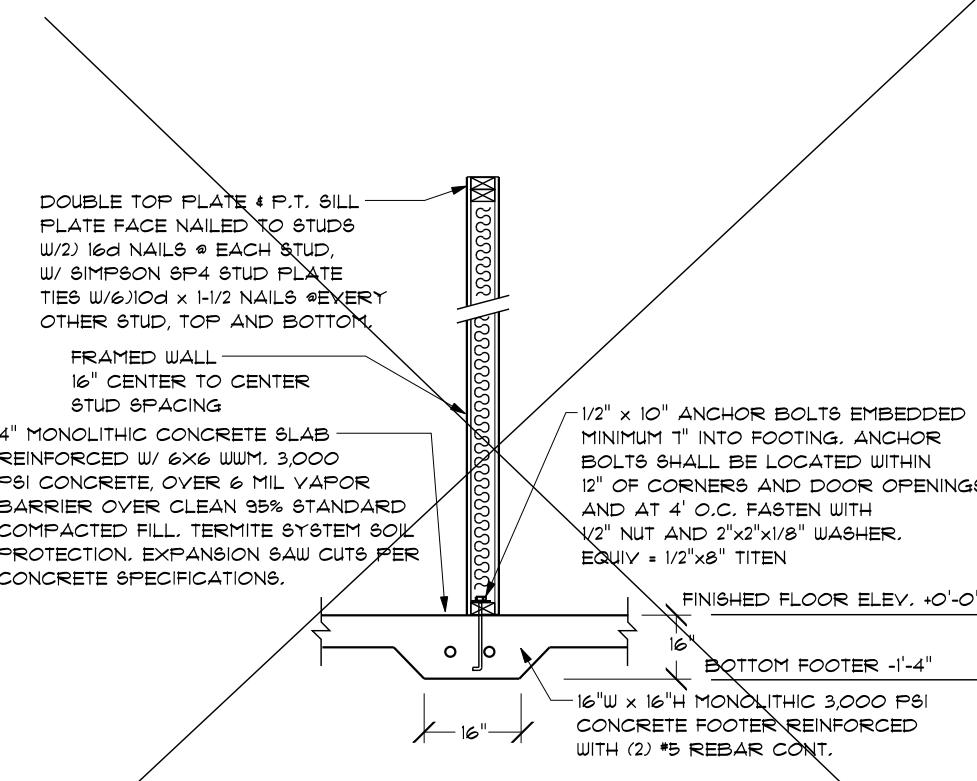
FIG. 11 MONO FOOTER BLOCK WALL SECTION



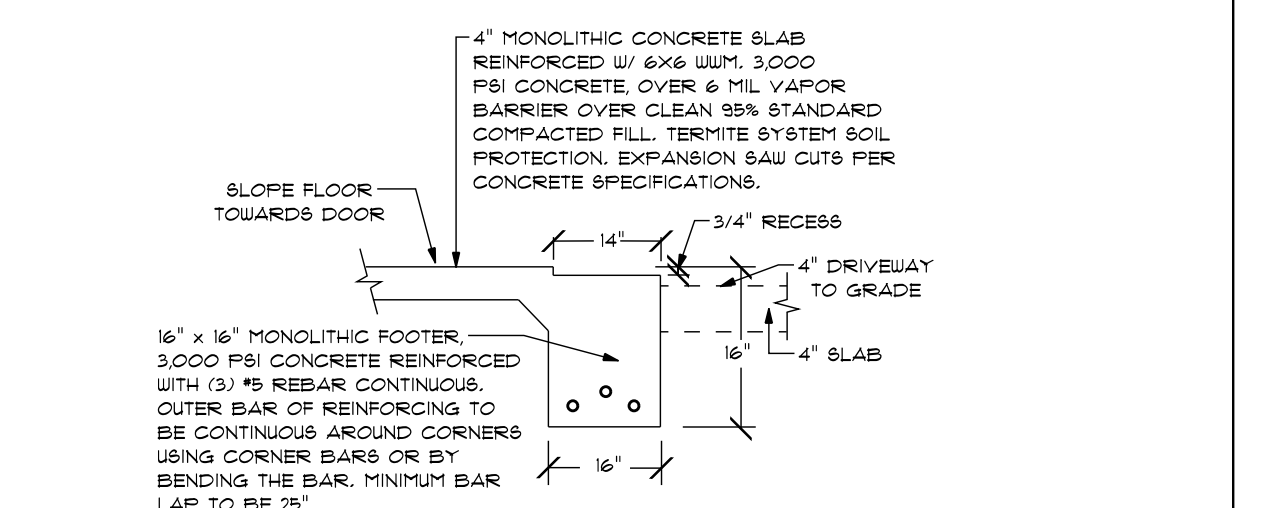
F13 4" STEP MONO BLOCK



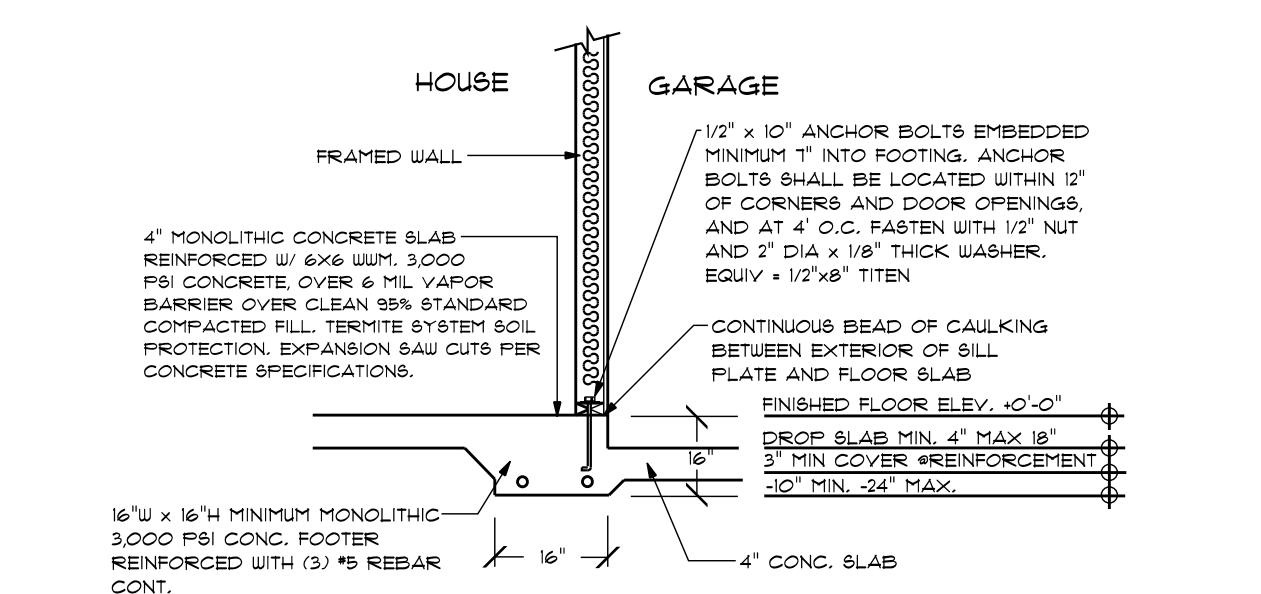
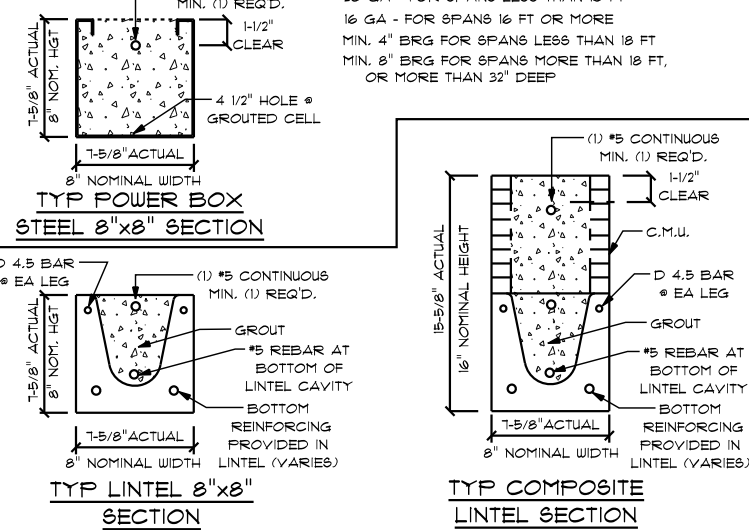
HOUSE TO PORCH STEP



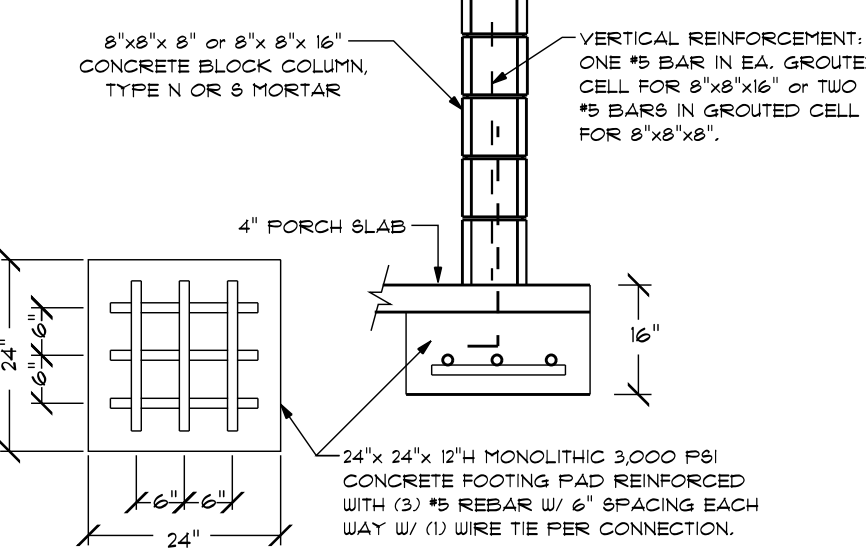
F5 INTERIOR LOAD BRG WALL FOOTER



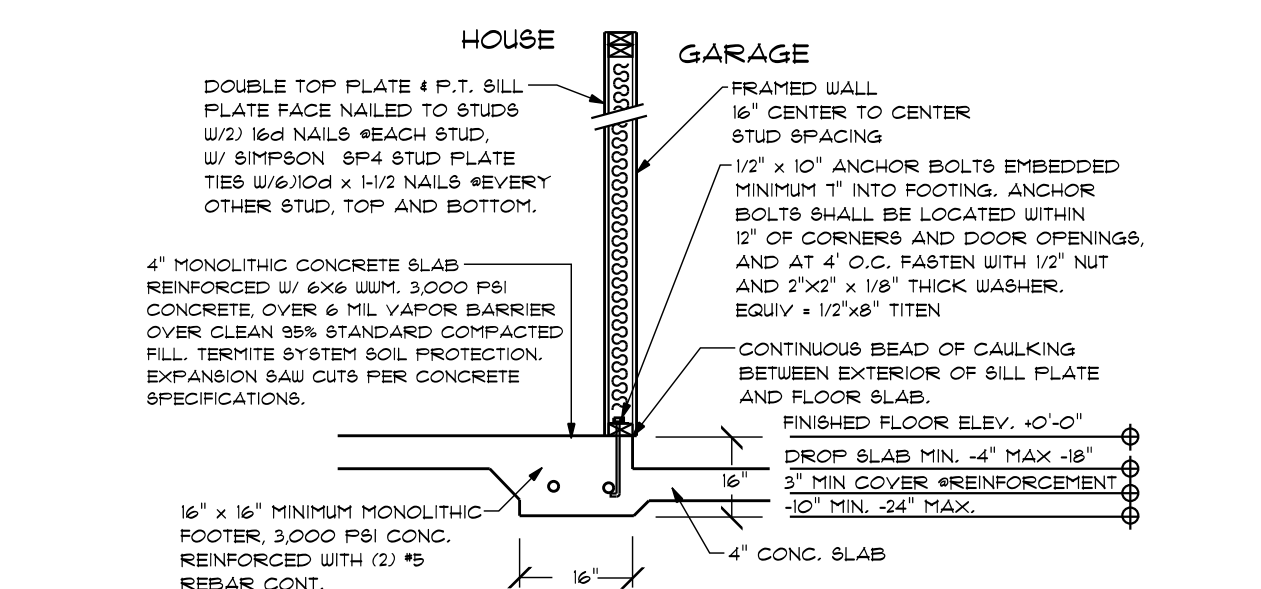
RECESS GARAGE DOOR



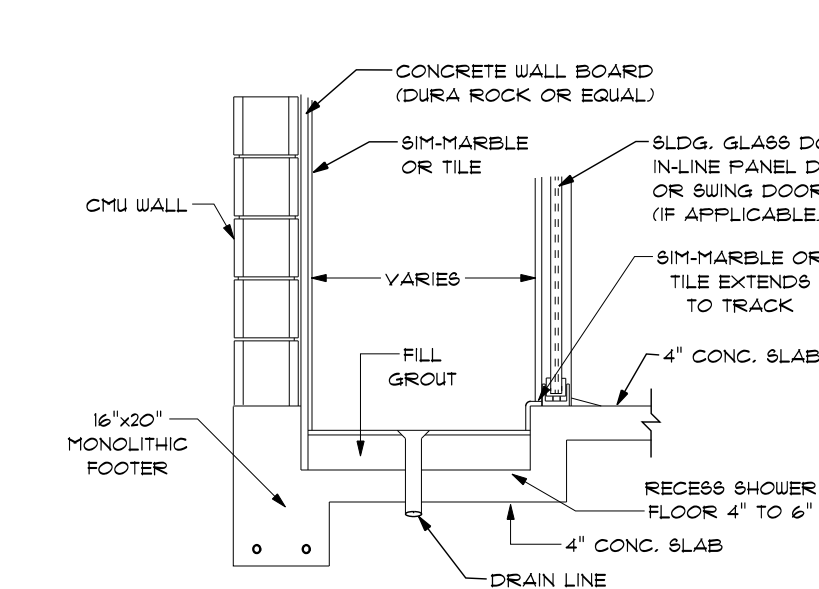
E4 GARAGE STEP WALL SECTION



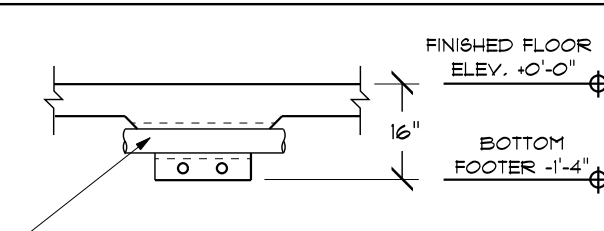
24" LOAD BEARING PORCH
FOOTING PAD (BLK.)



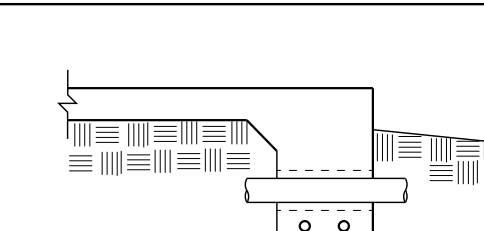
LOAD BEARING GARAGE STEP WALL



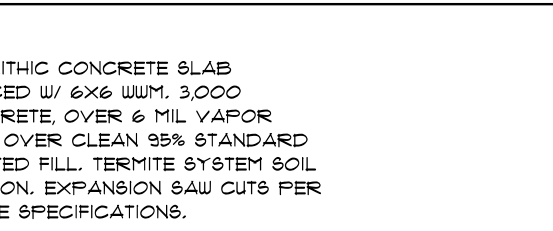
F14 RECESSED SHOWER DETAIL



PIPE THRU BELL FOOTER



PIPE THRU MONO-FOOTER

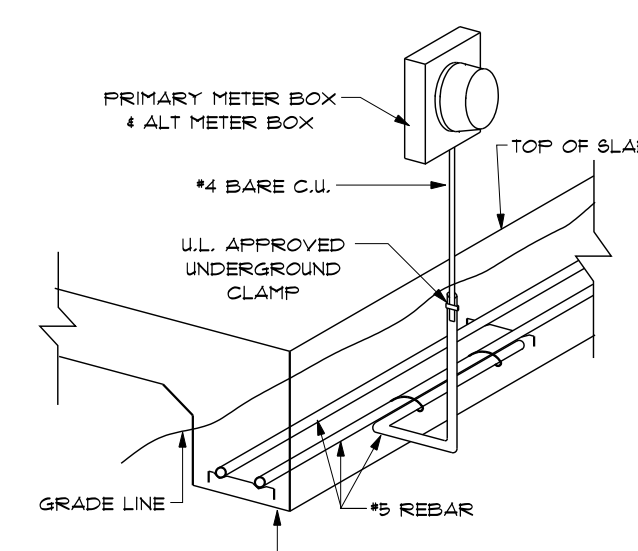


THICKENED EDGE

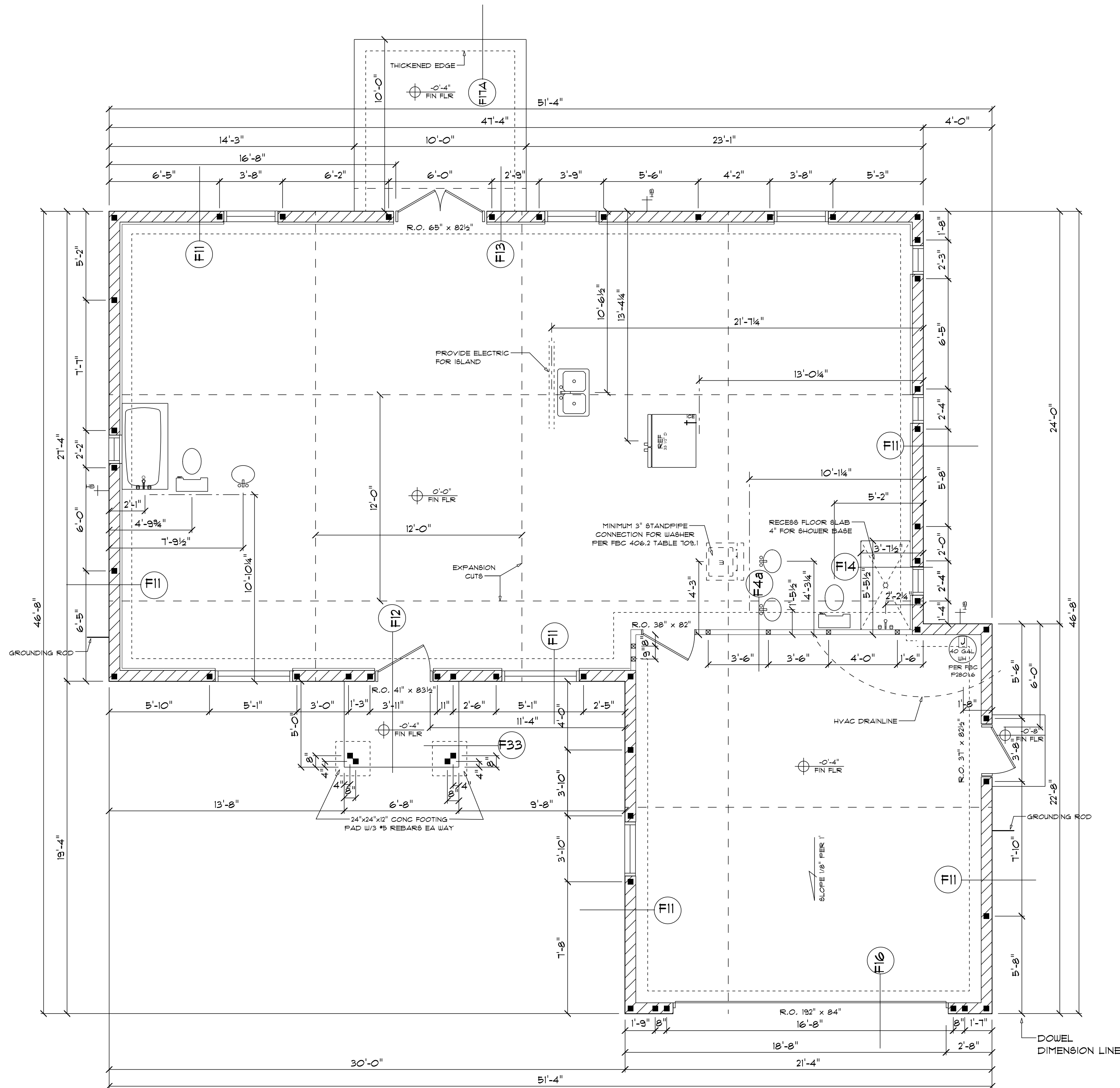
NOTE: ALL CONCRETE CAN BE
REINFORCED W/FIBERMESH
IN LIEU OF 6"x6" WWM.

CONCRETE SPECIFICATIONS

1. ALL CONCRETE WILL MEET A MAX SLUMP TEST OF 6".
2. ALL CONCRETE WILL BE A MINIMUM OF 3,000 P.S.I.
3. FIBERMESH @ 6"x6" W.U.M. ON ALL SLABS AND FLATWORK. (SIDEWALKS & DRIVEWAYS)
4. EXPANSION CUTS WILL BE CUT 1" DEEP ON 4" THICK CONCRETE. (75% OF THICKNESS)
5. EXPANSION CUTS WILL BE SPACED 12 FT APART IN A GRID PATTERN. PER FDN PLAN.
6. DOUBLE #5 DIAGONAL REBAR WILL BE USED AT ALL INTERIOR CORNERS PER FDN PLAN.



SERVICE GROUNDING DETAIL



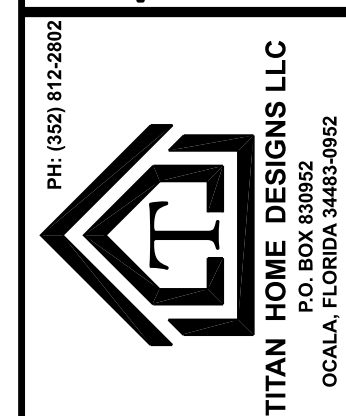
FOUNDATION PLAN

[illegible]

SUB DIVISION THE FLAMINGO LOT: XX BLOCK: XX HOME FOR: ADRIANA & JAFFET MARTINEZ	PROJECT NUMBER	102
	DATE	11/8/2022
	SCALE	1/4" = 1'-0"
	DRAWN BY	JMM

 Van Der Valk Construction
1601 N. Hernandez Ave. Hernando FL 34442

Van Der Valk
Construction
CHRISTIAN MATSNER
CBC1256760
Ph 352-726-5656

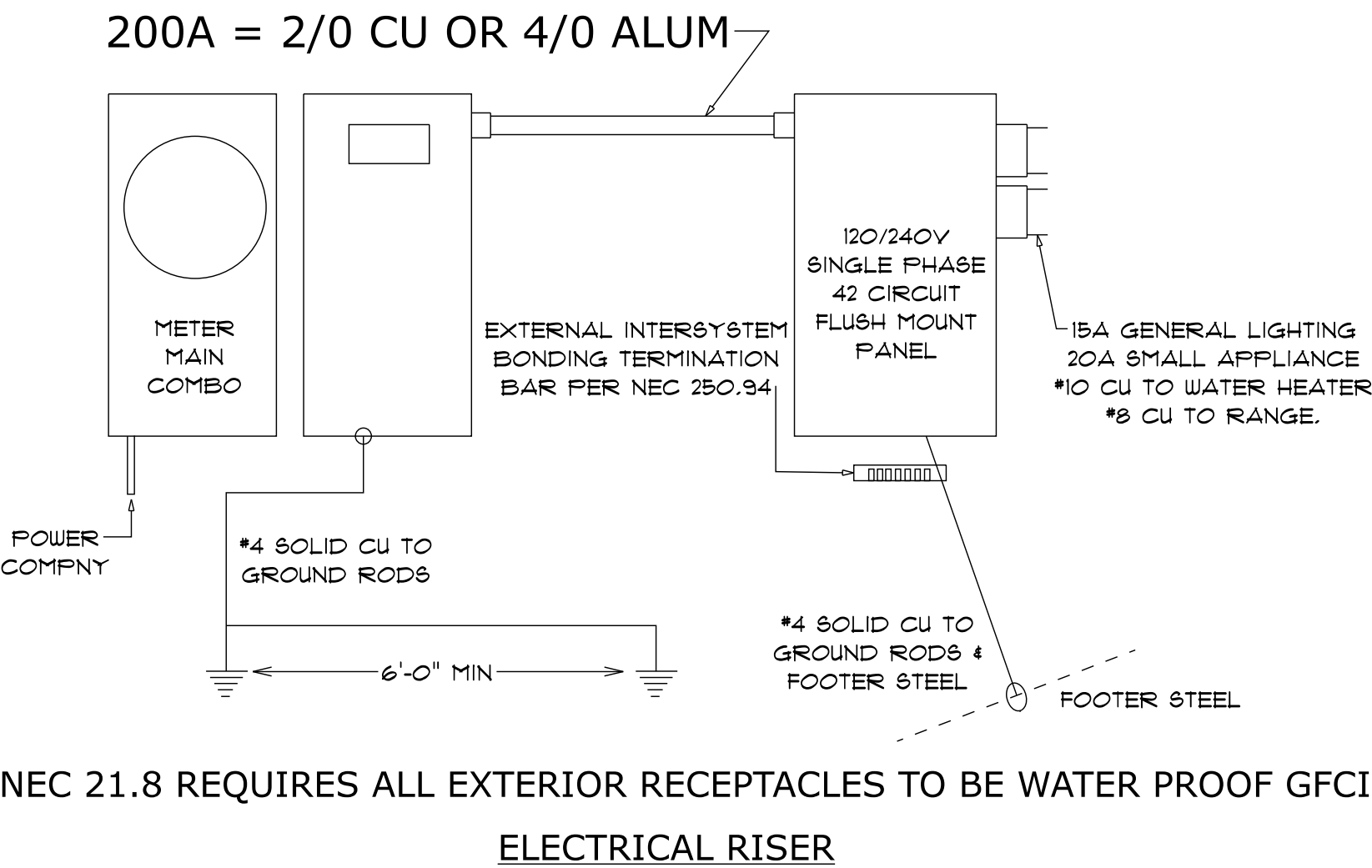
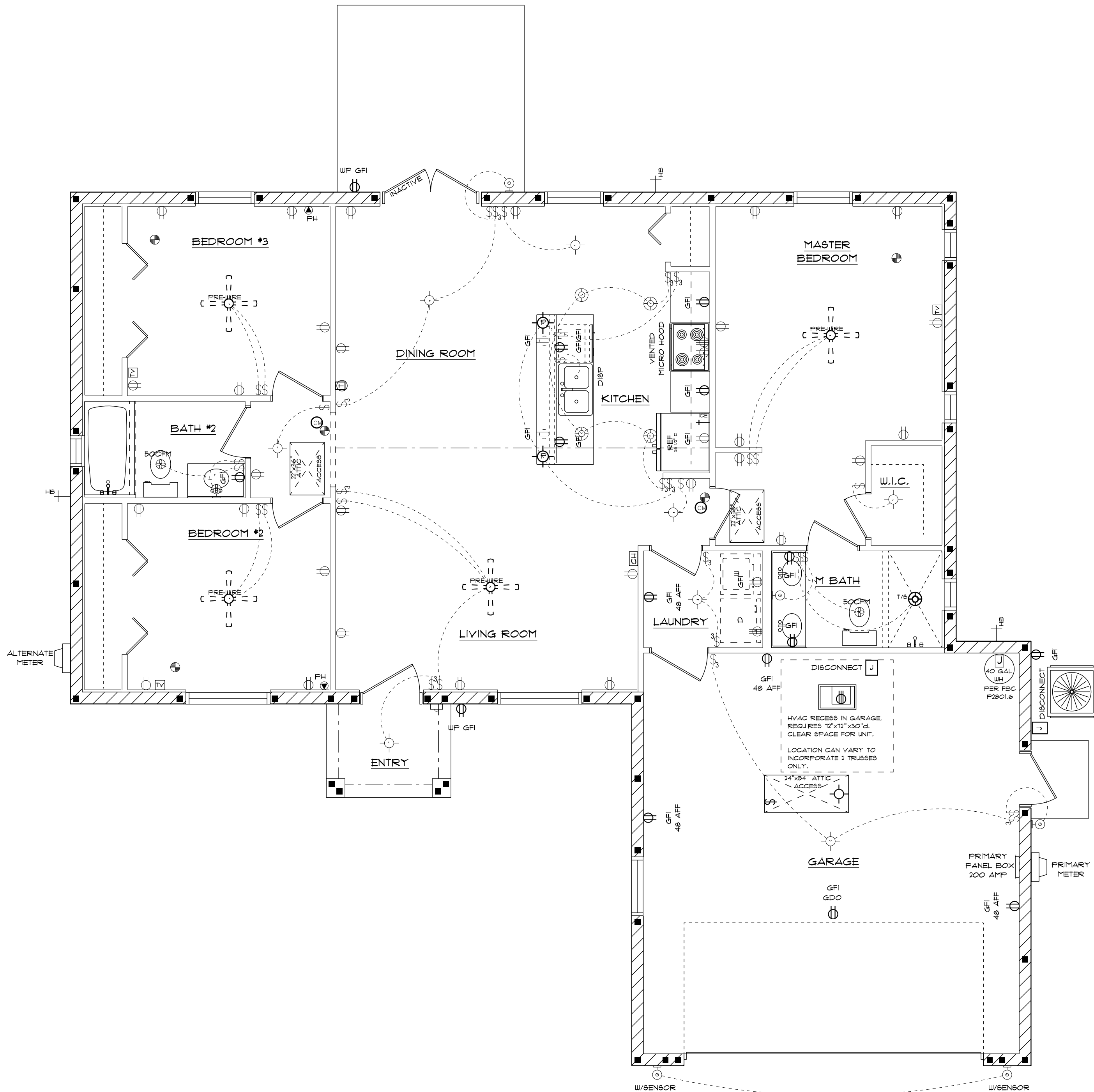


ENGINEERING SERVICES GROUP, ILLC.
391 W. ALFRED ST
TAVARES, FLORIDA 32778
CA # 8886
J. LEE SMITH, PE # 36177
PH. 352-388-1735

SHEET NO.
A003

ELECTRICAL CALCULATIONS

SECTION A			
2	SMALL APPLIANCE CIRCUIT(S)	1500 VA EACH	3000 VA
1	LAUNDRY CIRCUIT	1500 VA EACH	1500 VA
1249	SQ FT HEATED SPACE x	3 VA EACH	3747 VA
TOTAL FOR SECTION A			8247 VA
SECTION B			
RANGE	8000 VA	DISPOSAL	960 VA
MICROWAVE	1500 VA	CENTRAL VAC	0 VA
WATER HEATER	4500 VA	POOL PUMP	0 VA
DISHWASHER	1200 VA	POOL HEAT	0 VA
CLOTHES DRYER	5000 VA	SPRINKLER	0 VA
GARAGE DOOR	500 VA	WELL PUMP	0 VA
FREEZER	0 VA	SPA	0 VA
TOTAL FOR SECTION B			21680 VA
SECTION C			
ADD TOTALS FROM SECTION A AND SECTION B			29927 VA
SECTION D			
FIRST 10,000 VA @ 100%			10000 VA
REMAINDER @ 40%			19907 VA
TOTAL FOR SECTION D			17962.8 VA
SECTION E			
100% NAMEPLATE OF HEAT PUMP & SUPPLEMENTAL HEAT			
#1	3 TON 7200 VA	10000 VA BACKUP HEAT STRIPS	17200 VA
#2	0 TON 0 VA	0 VA BACKUP HEAT STRIPS	0 VA
#3	0 TON 0 VA	0 VA BACKUP HEAT STRIPS	0 VA
TOTAL FOR SECTION E			17200 VA
SECTION F			
TOTAL FOR SECTION E			35162.8 VA
SECTION G			
35163 VA / 240 V -			146.5117 AMPS REQUIRED
			200 AMPS PROPOSED



ELECTRICAL PLAN

AREA	
HEATED SPACE:	1249
GARAGE:	471
COVERED PORCH:	N/A
ENTRY:	33
TOTAL UNDER ROOF:	1753

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 230.70(A)(1)

ELECTRICAL SYMBOL LEGEND	
FAN / LIGHT COMBO	DUPLEX / QUADPLEX RECEPT
PRESSURE PAN ONLY	RECEPT GFI *
LIGHT TYPICAL	RECEPT GFI 48' AFF
UNDER CABINET LIGHT	EXTERIOR RECEPT GFI 4 WATERPROOF
WALL MOUNTED LIGHT	RECEPT * 48' AFF FOR PREWIRED SPRINKLER SYS.
RECESSED CAN LIGHT	HALF SWITCHED RECEPT / FULL SWITCHED RECEPT, 220 VOLT RECEPT.
WATER PROOF RECESSED	FLOOR RECEPT.
EXHAUST FAN VARIOUS CFM	HALF SWITCHED FLOOR RECEPT.
EXHAUST FAN WITH LIGHT VARIOUS CFM	CEILING MOUNT RECEPT. FOR GARAGE DOOR OPENER
FLOOD LIGHT	GARAGE DOOR OPENER
FLUORESCENT LIGHT 12 x 48	SWITCH
FLUORESCENT LIGHT 24 x 24	SWITCH W/ DIMMER
FLUORESCENT LIGHT 24 x 48	SWITCH W/ RHEOSTAT
RECESSED DIRECTIONAL EYE BALL	SWITCH 3 WAY
PENDANT LIGHTING	SWITCH 4 WAY
DOOR BELL / CHIME	CABLE TELEVISION LINE
JUNCTION BOX	TELEPHONE LINE
CABLE CONNECTION	TELEPHONE LINE
INSTALLATION LOCATIONS:	
(ALL ARE INDICATED AS ABOVE FINISHED FLOOR TO CENTERLINE OF BOX)	
SWITCHES: 44"	BATHROOM GFI RECEPTS: 42"
RECEPTS: 16"	KITCHEN GFI RECEPTS: 44"
PHONE: 16"	EXTERIOR GFI RECEPTS: 8"
TELEVISION: 16"	WALL MOUNT SCONCES: 78"
W.I.C. RECEPT: 48"	GARAGE GFI RECEPT: 48"
UNLESS OTHERWISE NOTED ON PLANS	
1. - ALL OUTLETS IN HABITABLE AREAS SHALL BE TAMPER RESISTANT TYPE.	
2. - IS 4 20 AMP BRANCH CIRCUITS SHALL BE ARC FAULT PROTECTED WHERE REQUIRED.	
3. - ALL RECEPTACLES THAT SERVE LAUNDRY, KITCHEN & BATHROOMS OR ANY COUNTERTOP AREAS SHALL BE GFCI PROTECTED.	
* RECEPTS IN BATHS ARE NOT TO BE MOUNTED IN BACKSPLASH	
4. - ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF & GFCI - 8' AFF.	
5. - ALL GARAGE RECEPTS SHALL BE GFCI 4 48' AFF - THE BRANCH CIRCUIT SUPPLYING THESE RECEPTS SHALL NOT SUPPLY OUTLETS O/B OF GARAGE.	
6. - OUTLETS FOR CHARGING ELECTRICAL VEHICLES SHALL BE ON A DEDICATED CIRCUIT.	
7. - GFCI SPRINKLER RECEPT PROVIDED, SYSTEM INSTALLED BY OTHERS.	
8. - GFCI RECEPT FOR DISHWASHER TO BE INSTALLED UNDER SINK CABINET, SAME SIDE.	
9. - MOUNT ALL ENTRY SCONCES * 78" AFF (UNLESS NOTED OTHERWISE).	
10. - ALL SWITCH BOXES MOUNTED A MINIMUM OF 9" FROM DOOR OPENINGS.	
11. - EXTERIOR CEILING LIGHT FIXTURES SET AT 3/4" FOR VINYL CEILING.	
12. - WHEN A POOL PREWIRE 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.	

NOTE: SEE PAGE 003 FOR SERVICE GROUNDING DETAIL

PROJECT NUMBER: 102		DATE: 11/8/2022		SCALE: 1/4" = 1' - 0"		DRAWN BY: JMM	
SUB DIVISION		THE FLAMINGO		BLOCK: XX		HOME FOR: ADRIANA & JAFFET MARTINEZ	
LOT: XX		1601 N. Hernandez Ave. Hernando FL 34422		Van Der Valk Construction		Van Der Valk Construction	
ENGINEERING SERVICES GROUP, LLC.		391 W. ALFRED ST		TAMPA, FLORIDA 33678		CA # 8886	
J. LEE SMITH, PE # 36177		P.O. BOX 83092		OCALA, FLORIDA 34483-9992		PH: 352-388-1755	
SHEET NO. E001		Monday, November 7, 2022					