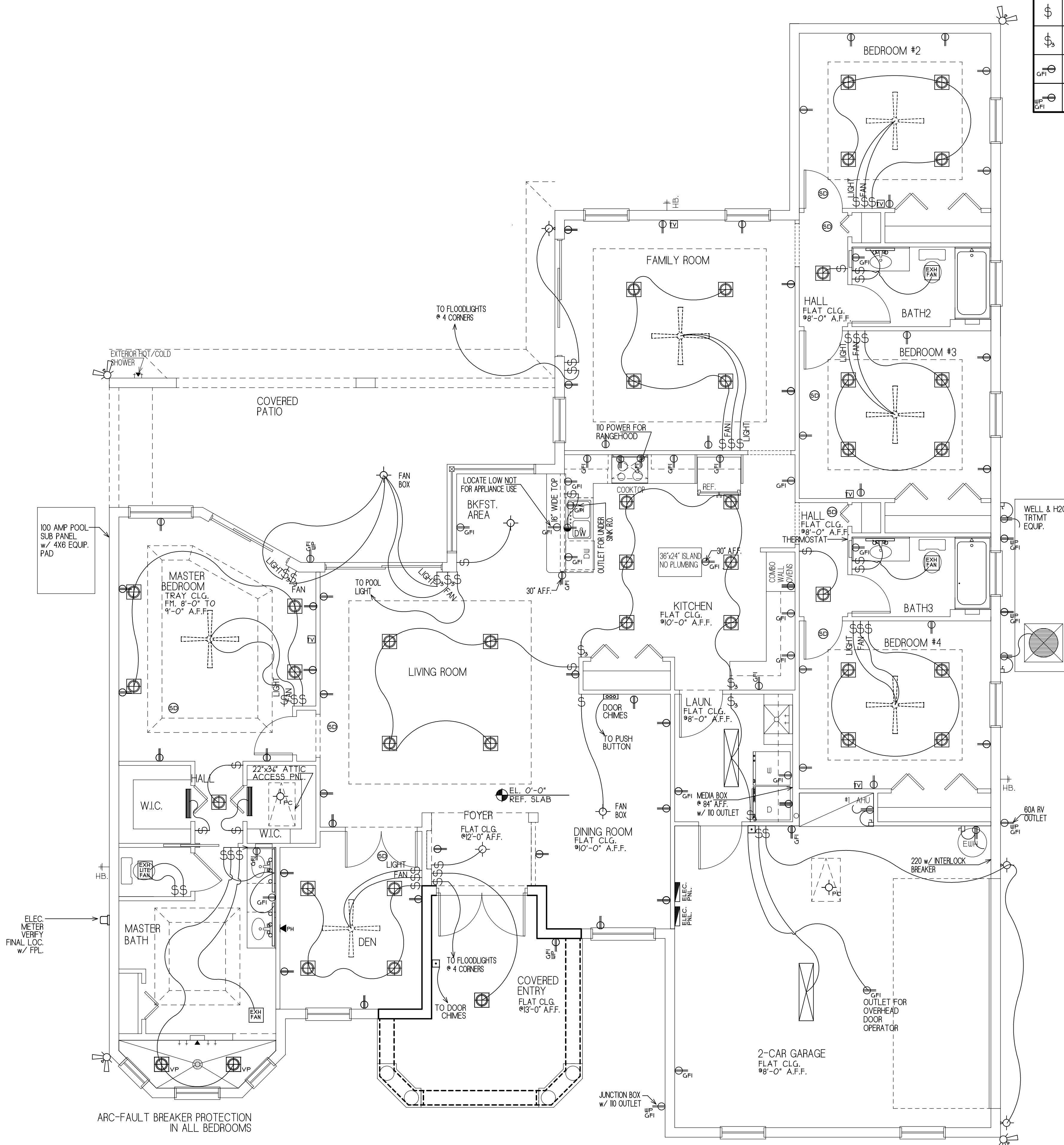
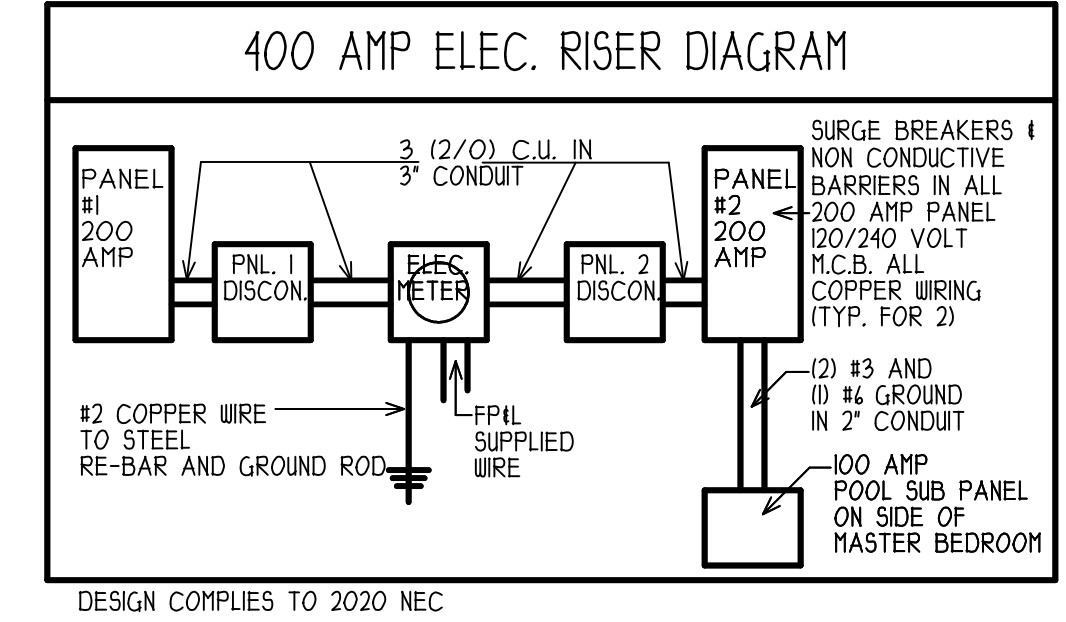


ELEC. LOAD CALC. † PANEL #1						
CIRCUIT NUMBER	DESCRIPTION	CIRCUIT BW		WIRE	WATTS	REMARKS
		POLE	TRIP			
1-5	GENERAL LTG.	1	15	14	5881	.
6	DINING ROOM	1	15	14	1178	.
7-12	GENERAL LTG.	1	15	14	1045	.
13-15	APPLIANCES	1	20	12	3000	.
16	EXT. GFI	1	20	12	1500	.
17	EXT. LTG.	1	20	12	1500	.
18	DISHWASHER	1	20	12	1500	.
19	LAUNDRY	1	20	12	1500	.
20-22	WELL PUMP	2	30	10	1500	.
21	REFRIGERATOR	1	20	12	1500	.
23	RANGEHOOD	1	20	12	100	.
24	GAR. DR. OPNR.	1	20	12	800	CEILING GFI
25	MICROWAVE	1	20	12	1500	.
26	GARAGE APPLIANCE OUTLET	1	20	12	1500	NOT USED
27-42	SPARES	.	.	.	.	.
TOTAL LOAD = 30,630W						
FIRST 10 KW @ 100% = 10000						
A/C 10 K.W. @ 100% = 00000						
REMAINDER @ 40% = 20,630 @ 40% = 8,252						
TOTAL = 18,252						
TOTAL /240 = 76.05 AMPS MIN.						

ELEC. LOAD CALC. † PANEL #2						
CIRCUIT NUMBER	DESCRIPTION	CIRCUIT BW		WIRE	WATTS	REMARKS
		POLE	TRIP			
1-3	WATER HEATER	2	30	10	4500	.
2-4	RANGE OR COOKTOP	2	50	6	8000	.
5-7	DOUBLE OVENS	2	40	10	4800	.
6-8	DRYER	2	30	10	5000	.
9-11	A/C COMP. #1	2	40	8	-----	NON CURRENT
10-12	A.H.U. w/ HEAT #1	2	40	6	(10000)	10 KW STRIP
13-15	100 AMP POOL SUB PANEL	2	100	3	24,000	100 AMP CIRCUIT w/ 2 POLE BREAKER & 13 WIRE TO 100 AMP EXTERIOR SUB PANEL ENCLOSURE w/ 12 50A BREAKERS
16-42	SPARES	.	.	.	.	.
TOTAL LOAD = 41,500 W						
FIRST 10 KW @ 100% = 10000						
A/C 10 K.W. @ 100% = 10000						
REMAINDER @ 40% = 31,500 @ 40% = 12,600						
TOTAL = 32,600						
TOTAL /240 = 135.83 AMPS MIN.						
PROVIDE 400 AMP TOTAL SERVICE						

PANEL #1 = 76.05 AMPS  
 PANEL #2 = 135.83 AMPS  
 TOTAL = 211.89 AMPS

ELECTRICAL SYMBOLS			



**ELECTRICAL PLAN**  
 SCALE: 1/4" = 1'-0"  
 ARC-FAULT BREAKER PROTECTION ENTIRE HOUSE, ALL APPLIANCE, BATHROOM, LAUNDRY AS NOTED TO ALSO BE GFI CIRCUITS.  
 DINING ROOM AND BKFST. AREA OUTLETS TO BE ON SEPARATE DEDICATED CIRCUITS  
 CAT 5E WIRING FOR PHONES

FIELD TRADES NOTES:	
TRIM/CARPENTRY	STRUCTURAL
2 PANEL INTERIOR AND EXTERIOR DOORS	EXTENDED COVERED REAR PATIO
	REMOVE OFF BODY AREA AND REFR. GLASS WINDOWS
	EXTENDING FRONT OF GARAGE 24"
	EXTENDING REAR COVERED AREA AS SHOWN
	ENLARGE FAMILY ROOM REARWARD
	EXTENDING REARWARD 24" REARWARD
	ALL OF IT TO BEING 12" AFF. FROM
	BY COMP. METAL GALVANIZED STEEL TO GARAGE ROOF
	SEE EXIST. COND. W/ 2\"/>

*William J. Carney*

**WILLIAM JOHN CARNEY**  
**CARNEY ELECTRIC**  
 13745 61st LANE NORTH  
 WEST PALM BEACH, FL 33412  
 PHONE: 561-718-5017  
 electricne@gmail.com

REVISIONS:

PREPARED BY: W.J. CARNEY  
 DATE: 3-04-2025  
 JOB NO.:  
 ISSUED FOR PERMIT  
 APPROVED:

MODEL: PINEWOOD 5  
 EIKELAND  
 CUSTOMER: JUPITER, FL  
 PUN 00-42-1118-00-000-3770  
 DRAWING: ELECTRICAL PLAN

SHEET NO.  
 5  
 OF  
 7