

TYPE: SERVICE: 240V, 1 phase
SERVING: 10,000 A.I.C.
POLES: 42

EXISTING ELECTRICAL PANEL "A"
CONTRACTOR TO FIELD VERIFY

MAIN BUS: 150 AMP.
10,000 A.I.C.
LOCATION: SEE PLAN

DEM NO V.A.	NO V.A.	TRIP CON- POLE DUIT	WIRE	REMARKS	CCT NO.	CCT NO.	REMARKS	WIRE CON- DUIT	TRIP CON- POLE DUIT	NO V.A.	DEM V.A.
10.0	2/60	6	A.H.U.-1	1	2	TANKLESS WATER HEATER-1	6	2/60	11.5		
(5.0)	2/30	10	A/C COND.-1	3	4	REFRIG	12	1/2 1/20	1.5		
5.0	2/30	10	DRYER	7	8	GEN PUMP	12	1/2 1/19			
1.5	1/20	12	WASHER	11	12	GEN PUMP	12	1/2 1/19			
1.2	1/20	12	GARAGE DOOR	13	14	GEN PUMP	12	1/2 1/19			
1.2	1/20	12	GEN RUPR	15	16	GEN RUPR	12	1/2 1/19			
1.2	1/20	12	GEN RUPR	17	18	SMALL APPL	12	1/2 1/20			
1.2	1/20	12	GEN RUPR	19	20	GEN RUPR	12	1/2 1/19			
1.2	1/20	12	GEN RUPR	21	22	GEN RUPR	12	1/2 1/19			
1.2	1/20	12	GEN RUPR	23	24	GEN RUPR	12	1/2 1/19			
1.2	1/20	12	GEN RUPR	25	26	GEN RUPR	12	1/2 1/19			
1.2	1/20	12	GEN RUPR	27	28	GEN RUPR	12	1/2 1/19			
1.2	1/20	12	GEN RUPR	29	30	GEN RUPR	12	1/2 1/19			
1.2	1/20	12	JACZ BRTH	31	32	BATHROOM GF	12	1/2 1/20			
1.2	1/20	12		33	34	BATHROOM GF	12	1/2 1/20			
1.2	1/20	12		35	36	BATHROOM GF	12	1/2 1/20			
1.2	1/20	12		37	38	BATHROOM GF	12	1/2 1/20			
1.2	1/20	12		39	40						
1.2	1/20	12		41	42						

GEN PUMP = 2,900 S.F. X .003 = 8.70 KW
28.20 + 8.70 = 36.90 KW

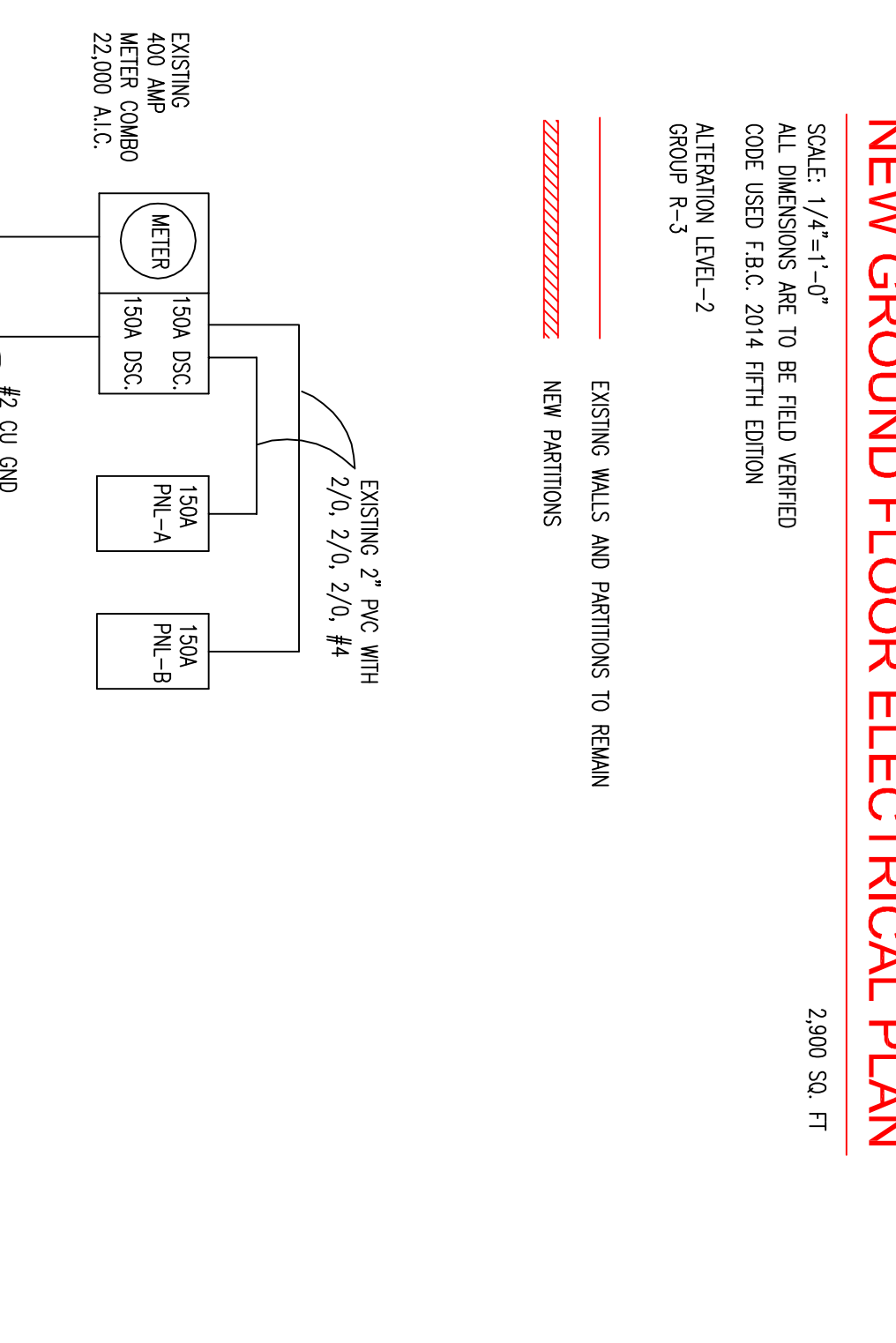
TYPE: SERVICE: 240V, 1 phase
SERVING: 10,000 A.I.C.
POLES: 42

EXISTING ELECTRICAL PANEL "B"
CONTRACTOR TO FIELD VERIFY

MAIN BUS: 150 AMP.
10,000 A.I.C.
LOCATION: SEE PLAN

DEM NO V.A.	NO V.A.	TRIP CON- POLE DUIT	WIRE	REMARKS	CCT NO.	CCT NO.	REMARKS	WIRE CON- DUIT	TRIP CON- POLE DUIT	NO V.A.	DEM V.A.
10.0	2/60	6	A.H.U.-2	1	2	COOKTOP	10	2/40	7.0		
(5.0)	2/30	10	A/C COND.-2	3	4	OVEN	10	2/25	4.5		
2.2	2/20	12	DISHWASHER/DISPOSAL	5	6	POOL PUMP	12	2/20	2.5		
1.2	1/20	12	GEN RUPR	11	12	MICROWAVE	12	1/20	1.2		
1.2	1/20	12	GEN RUPR	13	14	GEN RUPR	12	1/2 1/20			
1.2	1/20	12	GEN RUPR	15	16	GEN RUPR	12	1/2 1/20			
1.2	1/20	12	GEN RUPR	17	18	GEN RUPR	12	1/2 1/20			
1.2	1/20	12	GEN RUPR	19	20	GEN RUPR	12	1/2 1/20			
1.2	1/20	12	GEN RUPR	21	22	GEN RUPR	12	1/2 1/20			
1.2	1/20	12	GEN RUPR	23	24	GEN RUPR	12	1/2 1/20			
1.2	1/20	12	GEN RUPR	25	26	GEN RUPR	12	1/2 1/20			
1.2	1/20	12	GEN RUPR	27	28	GEN RUPR	12	1/2 1/20			
1.2	1/20	12	TANKLESS WATER HEATER-2	29	30						
1.2	1/20	12		31	32						
1.2	1/20	12		33	34						
1.2	1/20	12		35	36						
1.2	1/20	12		37	38						
1.2	1/20	12		39	40						
1.2	1/20	12		41	42						

GEN PUMP = 2,700 S.F. X .003 = 8.10 KW
28.90 + 8.10 = 37.00 KW



NEC LOAD CALCULATIONS SECTION 220-30

A/C AT 100% = 10.0 KW
ST. 10 KW AT 100% = 10.0 KW
REMAINDER AT 40% = 10.26 KW
TOTAL = 30.26 KW

240 = 128.16 AMPS

NEC LOAD CALCULATIONS SECTION 220-30

A/C AT 100% = 10.0 KW
ST. 10 KW AT 100% = 10.80 KW
REMAINDER AT 40% = 10.80 KW
TOTAL = 30.80 KW

240 = 128.33 AMPS

EXISTING ELECTRICAL RISER DIAGRAM

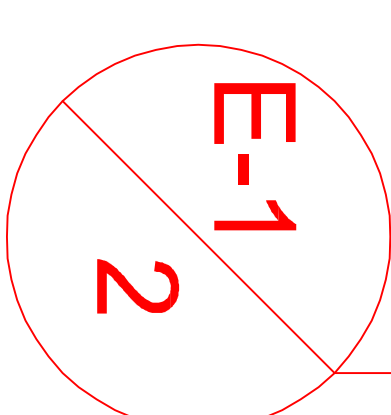
CONTRACTOR TO FIELD VERIFY

NO.	DATE	REVISION

INTERIOR RENOVATION
FOR
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FT. LAUDERDALE, FLORIDA

Miguel de Diego
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CHECKED: _____
DRAWN: _____
DATE: 5-4-2017
CONAN NO.: 16-188



CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, NOTES AND CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK

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