

SPECIFICATIONS: SQUARE D QOO OR EQUAL AMPACITY: 200 AMPS VOLTAGE: 120/240V, 1PH, 3 WIRE										PANEL-A										MAINS: MLO LOCATION: GARAGE MOUNTING: RECESSED									
AMPS	POLE	TOTAL VA	WIRE SIZE	GND SIZE	DESCRIPTION	CIRCUIT NO.	CIRCUIT NO.	DESCRIPTION	GND SIZE	WIRE SIZE	TOTAL VA	POLE	AMPS																
30	2	5696	10	10	AHU-U-A	1	2	AHU-U-B	10	8	9008	2	50																
30	2		10	10		3	4		10	8		2	50																
20	2	*	12	12	A.C.C.U.-A	5	6	A.C.C.U.-B	10	10	*	2	25																
20	2		12	12		7	8		10	10		2	25																
30	2	4500	10	10	WATER HEATER	9	10	RANGE	10	6	8500	2	50																
30	2		10	10		11	12		10	6		2	50																
30	2	5000	10	10	DRYER	13	14	RECEPT. /LTS. MASTER BATHROOM	12	12	#	1	20																
30	2		10	10		15	16	RECEPT. /LTS. BATHROOM UPSATIRS	12	12	#	1	20																
20	1	#	12	12	RECEPT. MASTER BEDROOM	17	18	RECEPT. /LTS. BATHROOM DOWNSTAIRS	12	12	#	1	20																
20	1	#	12	12	RECEPT. MASTER BEDROOM	19	20	DISHWASHER	12	12	1500	1	20																
20	1	#	12	12	RECEPT. BEDROOM #2	21	22	DISPOSAL	12	12	1500	1	20																
20	1	#	12	12	RECEPT. BEDROOM #3	23	24	MICROWAVE	12	12	1200	1	20																
20	1	#	12	12	RECEPT. LIVING	25	26	HOOD	12	12	300	1	20																
20	1	1500	12	12	RECEPT. DINING	27	28	REFRIGERATOR	12	12	1200	1	20																
20	1	#	12	12	RECEPT. ENTRY	29	30	SMALL APPLIANCE	12	12	1500	1	20																
20	1	#	12	12	RECEPT. GARAGE	31	32	SMALL APPLIANCE	12	12	1500	1	20																
20	1	#	12	12	LTS. GARAGE / KITCHEN	33	34	SMALL APPLIANCE	12	12	1500	1	20																
20	1	#	12	12	LTS. LIVING	35	36	WASHER	12	12	1500	1	20																
20	1	#	12	12	LTS. MASTER BEDROOM	37	38	RECIRC. PUMP	12	12	300	1	20																
20	1	#	12	12	LTS. BEDROOM #2 / #3	39	40	SPACE																					
					SPACE	41	42	SPACE																					

PANEL-A

DEMAND LOAD CALCULATIONS

AREA (SQ. FT)	=	2125	VA
GENERAL LIGHTING LOAD @ 3VA PER SQ. FT	=	6375	VA
TOTAL GENERAL LOAD	=	21375	VA
RECEPT. 1ST 3000VA @ 100%	=	3000 @ 100% =	3000 VA
REST @ 35%	=	18375 @ 35% =	6432 VA
AIR CONDITIONERS @ 100%	=	14704 @ 100% =	14704 VA
OTHERS @ 100%	=	4500 @ 100% =	4500 VA
EV @ 125%	=	0 @ 125% =	0 VA
NUMBER OF APPLIANCES	=	10	
APPLIANCE LOAD	=	12000 @ 75% =	9000 VA

TOTAL LOAD	=	37636	VA
CURRENT PER PHASE	=	TOTAL LOAD (VA) / 240V	
	=	157	AMPS

VERIFY ALL EQUIPMENT LOAD, BREAKERS, AND WIRE SIZES PRIOR TO INSTALLATION / ORDERING OF MATERIALS.

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AMPS	POLE	TOTAL VA	WIRE SIZE	GND SIZE	DESCRIPTION	CIRCUIT NO.	CIRCUIT NO.	DESCRIPTION	GND SIZE	WIRE SIZE	TOTAL VA	POLE	AMPS								
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PANEL-B

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