

PANELBOARD P1 SCHEDULE										AIC RATING:		65,000	TVSS:	N	NEMA:	1	
VOLTAGE: 208Y/120V 3Ø 4W MAIN LUGS ONLY: 600A										COMMENTS:		---	UTILITY ROOM 118				
										MOUNTING:		---	SURFACE				
NOTE	TYPE	LOAD	DESCRIPTION		BRANCH	C/B	#	Ø	#	BRANCH	C/B	DESCRIPTION		LOAD	TYPE	NOTE	
	R	720	REC (GENERAL) - RR, SHOWER, HALL		20	1	1	A	2	20	1	FIRE ALARM CONTROL PANEL		200	E	1	
	R	900	REC (GENERAL) - CAT STORAGE		20	1	3	B	4	20	1	RECEP (IT EQUIP) - STORAGE 122		1200	E		
	R	900	REC (GENERAL) - CAT ROOM, CATIO		20	1	5	C	6	20	1	ACCESS CONTROL		300	E		
	R	900	REC (GENERAL) - OFFICE 101, VEST.		20	1	7	A	8	20	1						
	R	720	REC (GENERAL) - KENNELS, CAT QUAR.		20	1	9	B	10	20	1	RECEP (WASHER) - STORAGE 104		1000	E	2	
	R	900	REC (GENERAL) - KENNELS, MECH 121		20	1	11	C	12	30	2	RECEP (DRYER) - STORAGE 104		2500	E		
	R	1080	REC (GENERAL) - DOG STORAGE, QUAR.		20	1	13	A	14					2500	E		
	R	540	REC (GENERAL) - EXAM 113		20	1	15	B	16	20	1	REFRIGERATED DRINKING FOUNTAIN		600	E		
	R	540	REC (GENERAL) - EXAM/EUTHAN 116		20	1	17	C	18	20	1	RECEP (COUNTER) - OFFICE 101		360	R		
	R	720	REC (GENERAL) - GARAGE, UTIL		20	1	19	A	20	20	1	SPARE					
	R	1260	REC (GENERAL) - EXTERIOR, ROOF		20	1	21	B	22	20	1	SPARE					
2	M	1276	REC (OVN DOOR) - GARAGE		20	1	23	C	24	15	1	EF-1 - GARAGE		252	M	2	
2	E	1200	RECEP (FREEZER) - INCINERATOR SHED		20	1	25	A	26	20	1	SPARE					
2	E	600	INCINERATOR		20	1	27	B	28	20	1	SPARE					
			SPARE		20	1	29	C	30	20	1	SPARE					
	L	805	LTG - KENNELS		20	1	31	A	32	20	1	EXTERIOR LIGHTING CONTROLS		200	E		
	L	598	LTG - QUARAN., EXAM, STOR., GARAGE		20	1	33	B	34	20	1	LTG (GENERAL) - EXTERIOR		480	L	3	
	L	315	LTG - CAT, STORGE, RR/SHOWER, HALL		20	1	35	C	36	20	1	SPARE					
	P	1595	PANEL 'P2' (VIA MTS)		60	3	37	A	38	20	1	SPARE					
	P	1595					39	B	40	20	2	LTG (SECURITY) - EXTERIOR POLE LIGHTS		313	L		
	P	1595					41	C	42					313	L		
			SPARE		20	1	43	A	44	20	1	SPARE					
			SPARE		20	1	45	B	46	20	1	SPARE					
			SPARE		20	1	47	C	48	20	1	SPARE					
			SPARE		20	1	49	A	50	20	1	SPARE					
			SPARE		20	1	51	B	52	20	1	SPARE					
			SPARE		20	1	53	C	54	20	1	SPARE					
			SPARE		20	1	55	A	56	20	1	SPARE					
			SPARE		20	1	57	B	58	20	1	SPARE					
			SPARE		20	1	59	C	60	20	1	SPARE					
4	E	2972	SS GRINDER PUMP - EXTERIOR		30	3	61	A	62	20	1	SPARE					
	E	2972					63	B	64	20	1	MONUMENT SIGNAGE		1200	L	2,3	
	E	2972					65	C	66	20	1	MOTORIZED ACCESS GATE		1176	M	2	
	E	1076	CP-1, CP-2, EMV-1 - UTILITY 118		20	1	67	A	68	25	2	EF-2 - ROOF		1622	XM		
	E	200	GWH-1 - UTILITY 118		20	1	69	B	70					1622	XM		
	E	1664	HP-1		25	2	71	C	72	20	2	EDH-1 - GARAGE		1650	H		
	E	1664					73	A	74					1650	H		
	E	4649	AHU-1 (MECH 121)		45	2	75	B	76	15	2	EH-1 - UTILITY 118		1125	H		
	E	4649					77	C	78					1125	H		
			SPACE		20	1	79	A	80	150	3	DOAS-1		17797	E		
			SPACE		20	1	81	B	82					17797	E		
			SPACE		20	1	83	C	84					17797	E		
NOTES:																	
1. PROVIDE LOCK-ON TYPE BREAKER, RED IN COLOR.																	
2. PROVIDE GFCI-TYPE CIRCUIT BREAKER.																	
3. EXTERIOR LIGHTING CIRCUIT ROUTED THROUGH AUTOMATED CONTROLS.																	
4. BASIS OF DESIGN EQUIPMENT; BREAKER SIZE AND ASSOCIATED LOAD SUBJECT TO CHANGE.																	
R	L	XM	M	H	E	K	V	P									
220.47	220.45	220.5		430.24	220.51	220.14(A)		220.56	220.57	220.84(C)							
CONNECTED TOTALS, BY LOAD TYPE																	
9,540 VA	4,023 VA	3,245 VA	2,704 VA	5,550 VA	86,510 VA	0 VA	0 VA	4,786 VA									
DEMAND TOTALS, BY LOAD TYPE																	
9,540 VA	5,029 VA	4,056 VA	2,704 VA	6,938 VA	86,510 VA	0 VA	0 VA	4,786 VA									
											PHASE A CONNECTED = 36,702 VA						
											PHASE B CONNECTED = 39,371 VA						
											PHASE C CONNECTED = 40,284 VA						
											TOTAL CONNECTED = 116,358 VA						
											323 A						
											TOTAL DEMAND = 119,562 VA						
											332 A						
											SPARE CAPACITY = 268 A						

PANELBOARD P2 SCHEDULE

AIC RATING: 30,000

TVSS: N

NEMA: 1

COMMENTS: ---

LOCATION: UTILITY ROOM 118

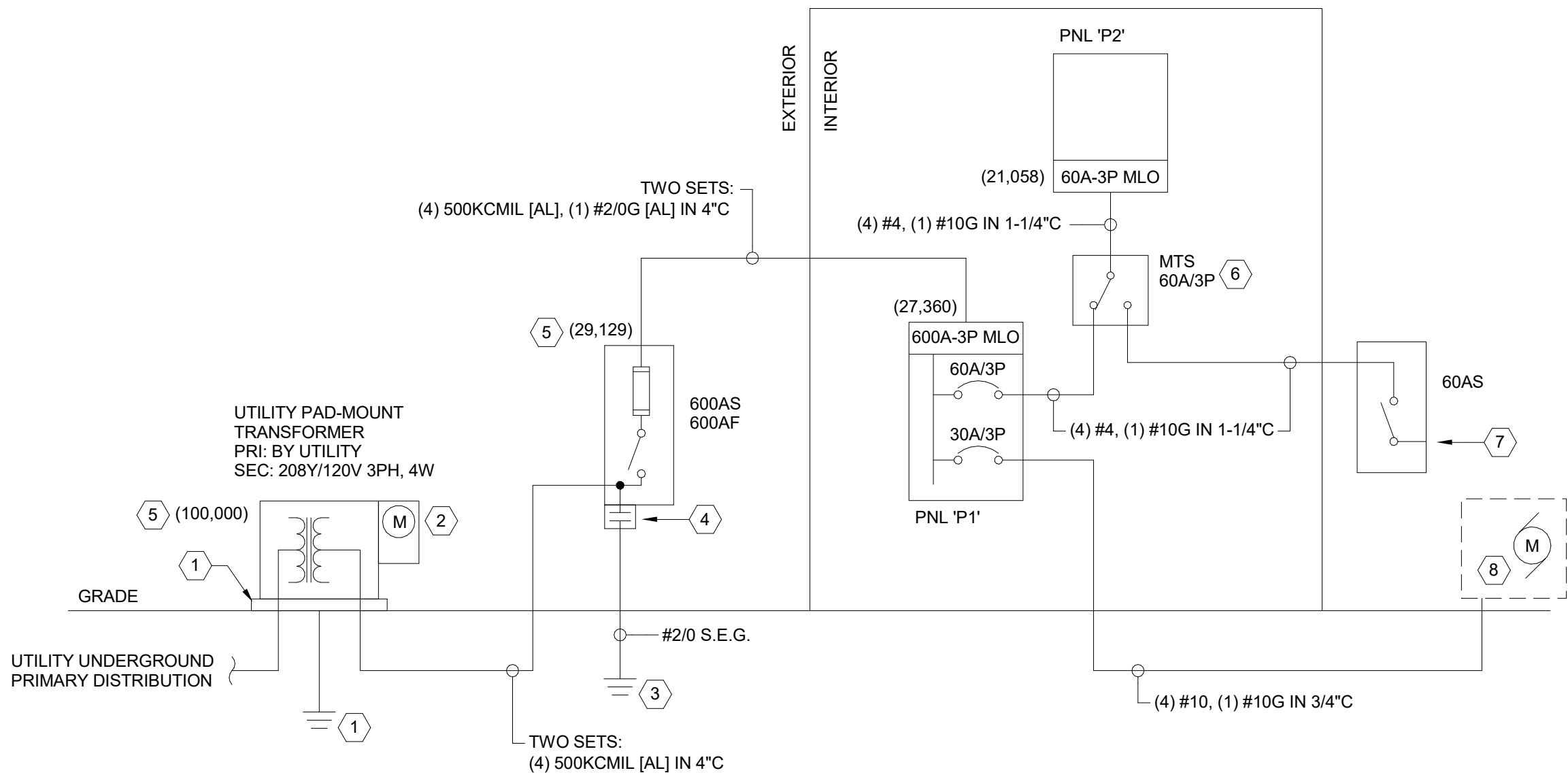
MOUNTING: SURFACE

VOLTAGE: 208Y/120V 3Ø 4W

BUS RATING: 60A

MAIN LUGS ONLY: 60A

NOTE	TYPE	LOAD	DESCRIPTION		C/B	P	#	Ø	#	C/B	P	DESCRIPTION	LOAD	TYPE	NOTE
1	E	1000	RECEP (REFRIG) - EXAM 113		20	1	1	A	2	20	1	SPARE			
1	E	1200	RECEP (FREEZER) - QUARANTINE 114		20	1	3	B	4	20	1	SPARE			
1	E	1200	RECEP (FREEZER) - QUARANTINE 114		20	1	5	C	6	20	1	SPARE			
	R	900	REC (GENERAL) - OFFICE 101		20	1	7	A	8	20	1	SPARE			
	L	389	LTG - UTIL, STORAGE, OFFICE, RR		20	1	9	B	10	20	1	SPARE			
			SPARE		20	1	11	C	12	20	1	SPARE			
			SPARE		20	1	13	A	14	20	1	SPARE			
			SPARE		20	1	15	B	16	20	1	SPARE			
			SPARE		20	1	17	C	18	20	1	SPARE			
NOTES: 1 PROVIDE GFCI-TYPE CIRCUIT BREAKER.															



POWER RISER DIAGRAM

NOT TO SCALE

EQUIPMENT CONNECTION SCHEDULE (ECS)																			
EQUIPMENT						EQUIPMENT DISCONNECT				CONTROLLER			CIRCUITING			FIRE ALARM INTERCONNECTION			REMARKS
EQUIP. #	DESCRIPTION	LOCATION	HP/kw*	MCA	VOLT	PHASE	LOCATION	RATING	TYPE	NEMA ENCL.	LOCATION	TYPE	NEMA ENCL.	PANEL	CIRCUIT BREAKER	WIRING	FAN SHUT DOWN	RETURN DUCT SMOKE	
MECHANICAL EQUIPMENT - REFER TO ASSOCIATED DISCIPLINE DRAWINGS FOR ADDITIONAL INFORMATION.																			
D0AS-1	PACKAGED UNIT	EXTERIOR, GRADE		148.2	208	3	AU	200A	NF	3R	INTEGRAL TO UNIT			P1-80,82,24	150A/3P	(3) #1/0, (1) #6G, 2" C	X	X	X
EF-1	EXHAUST FAN	GARAGE		7.1	120	1	AU	15A	NF	1	INTEGRAL TO UNIT			P1-24	15A/1P	(2) #12, (1) #12G, 3/4" C			
EF-2	EXHAUST FAN	ROOF	2 HP	15.6	208	1	AU	30A	NF	3R	INTEGRAL TO UNIT			P1-68,70	25A/2P	(2) #10, (1) #10G, 3/4" C			
EDH-1	ELECTRIC DUCT HEATER	GARAGE	3.3 KW		208	1	AU	20A	NF	1	INTEGRAL TO UNIT			P1-72,74	20A/2P	(2) #12, (1) #12G, 3/4" C			
EH-1	ELECTRIC UNIT HEATER	UTILITY ROOM 118	2.25 KW		208	1	AU	15A	NF	1	INTEGRAL TO UNIT			P1-76,78	15A/2P	(2) #12, (1) #12G, 3/4" C			
HP-1	SPLIT SYSTEM INDOOR UNIT	EXTERIOR, GRADE		16	208	1	AU	30A	NF	3R	INTEGRAL TO UNIT			P1-71,73	25A/2P	(2) #10, (1) #10G, 3/4" C			
AHU-1	SPLIT SYSTEM OUTDOOR UNIT	MECH ROOM 121		44.7	208	1	AU	60A	NF	1	INTEGRAL TO UNIT			P1-75,77	45A/2P	(2) #6, (1) #10G, 1" C			
PLUMBING EQUIPMENT - REFER TO ASSOCIATED DISCIPLINE DRAWINGS FOR ADDITIONAL INFORMATION.																			
CP-1	HOT WATER RECIRC. PUMP	UTILITY ROOM 118			120	1	AU	15A	NF	1	INTEGRAL TO UNIT					(2) #12, (1) #12G, 3/4" C			
CP-2	HOT WATER RECIRC. PUMP	UTILITY ROOM 118	1/6 HP		120	1	AU	15A	NF	1	INTEGRAL TO UNIT			P1-67	20A/1P	(2) #12, (1) #12G, 3/4" C			
EMV-1	MIXING VALVE	UTILITY ROOM 118	.02 KW		120	1	AU	15A	NF	1	INTEGRAL TO UNIT					(2) #12, (1) #12G, 3/4" C			
GW-1	GAS WATER HEATER	UTILITY ROOM 118	.02 KW		120	1	AU	15A	RECEPTACLE		INTEGRAL TO UNIT			P1-69	15A/1P	(2) #12, (1) #12G, 3/4" C			
SITE/CIVIL EQUIPMENT - REFER TO ASSOCIATED DISCIPLINE DRAWINGS FOR ADDITIONAL INFORMATION.																			
SANITARY SEWER GRINDER PUMP		EXTERIOR	1 HP		120	1	INTEGRAL TO PUMP CONTROLLER				INTEGRAL TO UNIT			P1-69	30A/1P	(2) #10, (1) #10G, 1-1/4" C			1