

PANELBOARD: EMM														
LOCATION: Surface				MAINS: 350KCB				AMPS: 300						
ENCL NEMA: Type 1				VOLTS: 208/120 Wye				PHASE: 3						
MIN AIC: 10,000				WIRES: 4										
PANEL NOTES: PROVIDE GROUND BUS PROVIDE FULL SIZE NEUTRAL BUS UNLESS NOTED OTHERWISE														
WIRE SIZE	LOAD DESCRIPTION	P	TRIP AMPS	TYPE	CKT	A	B	C	CKT	TYPE	TRIP AMPS	P	LOAD DESCRIPTION	WIRE SIZE
SEE EO & MOTOR SCHEDULE	B-1 BOILER ROOM 129	3	175 A		1	0.79	2.88		2		30 A	3	SPD	
					3		0.79	2.88	4					
					5			0.79	2.88	6				
SEE EO & MOTOR SCHEDULE	DOAU-2	3	90 A		7	7.75	1.45		8		25 A	2	CU-1	SEE EO & MOTOR...
					9		7.75	1.45	10					
					11			7.75	1.45	12				
HT-1, HT-2		1	20 A	HT	13	0.48	1.45		14		25 A	2	CU-2	SEE EO & MOTOR...
EF-14DAMPER KENNELS...		1	15 A		15		0.40	0.75	16					
EF-48DAMPER INTAKE 124		1	15 A		17			0.40	0.75	18		15 A	2	P2&B BOILER ROOM 129
P-1 BOILER ROOM 129		1	15 A		19	0.19	0.18		20		15 A	1	EF-8&DAMPER CORR 131	
SEE EO & MOTOR...	P-3 & 4 CORRIDOR 131	2	15 A		21		0.37	0.02	22		15 A	1	HWRP-1 BOILER ROOM 129	
					23			0.37	6.15	24				
SEE EO & MOTOR...	BOILER ROOM 129	1	20 A		25	0.36	6.15		26		70 A	3	DOAU-1	SEE EO & MOTOR SCHEDULE
					27		0.60	6.15	28					
					29			0.60	30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
TOTAL LOAD:						21.69 kVA	21.17 kVA	21.15 kVA						

BREAKER TYPE KEYS:

LO - INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE
 GF - INDICATES C.B. IS GROUND FAULT TYPE (5mA FOR PERSONNEL)
 ST - INDICATES C.B. EQUIPPED WITH SHUNT TRIP DEVICE
 HT - INDICATES C.B. EQUIPPED WITH 30mA GROUND FAULT FOR EQUIPMENT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	51.74	100.00%	51.74	
Other	11.38	100.00%	11.38	
Equipment	0.88	100.00%	0.88	
				Total Conn. Load: 64.00 kVA
				Total Est. Demand: 64.00 kVA
				Total Conn. Current: 177.65 A
				Total Est. Demand Current: 177.65 A

PANELBOARD: EM														
LOCATION: Surface				MAINS: 208/120 Wye				AMPS: 100						
ENCL NEMA: Type 1				VOLTS: 208/120 Wye				PHASE: 3						
MIN AIC: 10,000				WIRES: 4										
PANEL NOTES: PROVIDE GROUND BUS PROVIDE FULL SIZE NEUTRAL BUS UNLESS NOTED OTHERWISE														
WIRE SIZE	LOAD DESCRIPTION	P	TRIP AMPS	TYPE	CKT	A	B	C	CKT	TYPE	TRIP AMPS	P	LOAD DESCRIPTION	WIRE SIZE
	LTG Room 124,102,100,101	1	20 A		1	0.12	0.00		2		20 A	1	LTG Room 132	
	LTG Room 108,132	1	20 A		3		0.15	0.18	4		20 A	1	LTG Room 118-121, 123	
	LTG	1	20 A		5			0.00	2.88	6				
	REC ELECTRICAL 108	1	20 A		7	0.36	2.88		8		30 A	3	SPD	4#10,#10G,3/4"
	FA CONTROL PANEL 108	1	20 A	LO,R	9		0.18	2.88	10					
	FATC VESTIBULE 122	1	20 A	LO,R	11			0.10	0.10	12	LO,R	20 A	1	FATC CORRIDOR 130
	GEN BATTERY CHARGER	1	20 A		13	0.00			14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
					31				32					
					33				34					
					35				36					
					37				38					
					39				40					
					41				42					
TOTAL LOAD:						3.36 kVA	3.39 kVA	3.08 kVA						

BREAKER TYPE KEYS:

LO - INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE
 GF - INDICATES C.B. IS GROUND FAULT TYPE (5mA FOR PERSONNEL)
 R - INDICATES C.B. SHALL BE RED IN COLOR
 HT - INDICATES C.B. EQUIPPED WITH 30mA GROUND FAULT FOR EQUIPMENT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LTG	0.45	100.00%	0.45	
Other	8.84	100.00%	8.84	
REC	0.36	100.00%	0.36	
Equipment	0.18	100.00%	0.18	
Lighting	0.00	0.00%	0.00	
				Total Conn. Load: 9.83 kVA
				Total Est. Demand: 9.83 kVA
				Total Conn. Current: 27.29 A
				Total Est. Demand Current: 27.29 A

GENERAL NOTES

- A. PROVIDE LOCK-ON TYPE BREAKERS FOR EMERGENCY LIGHTING CIRCUITS. BREAKERS TO BE EXCLUDED UNDER ALTERNATE #1.
- B. PROVIDE RED COLOR LOCK-ON TYPE CIRCUIT BREAKERS FOR ALL FIRE ALARM SYSTEM CIRCUIT BREAKERS.
- C. PROVIDE 2#12, #12 GROUND IN 3/4" FOR ALL CIRCUITS UNLESS NOTED OTHERWISE.



JACKSON COUNTY
 ANIMAL RESCUE CENTER AND GREEN ENERGY PARK
 DILLSBORO, NORTH CAROLINA

SHEET NO.	DATE	DESCRIPTION	BY
1	09/2/2020	ISSUE FOR BD+PERMIT	RMF

PRINCIPAL IN CHARGE: ALM
 PROJECT ENGINEER: CDC
 DRAWN BY: TMW

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NO. PROJ. NO.
 019216.00

E-604

Order Plans @ www.LDILine.com