

PANELBOARD: DP
 LOCATION: MOUNTING: Surface ENCL NEMA: Type 1 MIN AIC: 10,000
 MAINS: DISTRIBUTION VOLTS: 208/120 Wye PHASE: 3 WIRES: 4
 AMPS: 600

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
	GENERATOR LOAD CENTER	2	50 A		1	4.00	0.00		2		20 A	1	NEW STORAGE FUTURE...	
					3				4		20 A	1	NEW STORAGE FUTURE...	
	SEE RISER DIAGRAM				5	8.29	2.88		6		30 A	3	SPD	4#10,#10G,3/4"
	SEE RISER DIAGRAM				9				10					
	SEE RISER DIAGRAM				11	9.43	3.39		12		100 A	3	PANEL EM	SEE RISER DIAGRAM
	SEE RISER DIAGRAM				13				14					
	SEE RISER DIAGRAM				15				16					
	SEE RISER DIAGRAM				17	21.17	6.24		18		80 A	3	IHP-1	SEE EG & MOTOR SCHEDULE
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
TOTAL LOAD:						46.30 kVA	46.29 kVA	43.68 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
LTG	4.53	100.00%	4.53	
Motor	71.70	100.00%	71.70	Total Conn. Load: 140.27 kVA
Other	31.48	100.00%	31.48	Total Est. Demand: 154.35 kVA
REC	21.98	72.85%	15.94	Total Conn. Current: 389.35 A
Heating	0.09	100.00%	0.09	Total Est. Demand Current: 372.92 A
Equipment	1.42	100.00%	1.42	
Lighting	0.00	0.00%	0.00	

PANELBOARD: A
 LOCATION: MOUNTING: Surface ENCL NEMA: Type 1 MIN AIC: 10,000
 MAINS: VOLTS: 208/120 Wye PHASE: 3 WIRES: 4
 AMPS: 100

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
	CEILING FANS (WEST SIDE)	1	20 A		1	0.18	0.18		2		20 A	1	CEILING FANS (INNER)	
	CEILING FANS (EAST SIDE)	1	20 A		3				4		20 A	1	JANITOR-1 113-1	
					5				6		20 A	1	REC 114 DRYER	
	REC LAUNDRY 114 WASHER	3	20 A	HT	7	0.40	0.09		8	HT	20 A	1	HOT BOX	
					9				10	GF	20 A	1	REC - HOT BOX	
	RADIANT FLOOR	1	20 A	HT	11				12	HT	20 A	1	RADIANT FLOOR	
	FCU-1-7	1	20 A		13	0.45	0.44		14		20 A	1	FCU 8-14	
	FCU-15-20	1	20 A		15				16	LO	20 A	1	SALLY PORT GATE	
	TRUCK GATE	1	20 A	LO	17				18		20 A	1	Heating	
					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:						1.74 kVA	3.43 kVA	3.76 kVA						

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 HT - INDICATES C.B. EQUIPPED WITH 30mA GROUND FAULT FOR EQUIPMENT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	4.10	100.00%	4.10	
Other	2.40	100.00%	2.40	Total Conn. Load: 8.93 kVA
REC	1.98	100.00%	1.98	Total Est. Demand: 8.93 kVA
Heating	0.09	100.00%	0.09	Total Conn. Current: 24.79 A
Equipment	0.36	100.00%	0.36	Total Est. Demand Current: 24.79 A

PANELBOARD: B
 LOCATION: MOUNTING: Surface ENCL NEMA: Type 1 MIN AIC: 10,000
 MAINS: VOLTS: 208/120 Wye PHASE: 3 WIRES: 4
 AMPS: 100

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-109-112,129-30,101,10...	1	20 A		1	0.70	0.54		2		20 A	1	LTG RM 131, 130	
	LTG-CORRIDOR 131	1	20 A		3				4		20 A	1	LTG-100,107,113-115,102,1...	
	LTG-128,127,125,126,124	1	20 A		5				6		20 A	1	EXTERIOR LTG	
	EXTERIOR LTG	1	20 A		7	0.12	0.90		8		20 A	1	LTG RM 119, 121, 123, 120	
	REC COMMUNITY ROOM...	1	20 A		9				10		20 A	1	REC PROJECTOR	
	FACADE SIGNAGE	1	20 A		11				12		20 A	1	REC COMMUNITY 101 TV	
	REC PUBLIC LOBBY 100	1	20 A		13	0.72	0.72		14		20 A	1	REC PUBLIC LOBBY 100	
	REC RM 132	1	20 A		15				16		20 A	1	REC RM 106, 104, 105, 103	
	REC RM 109-112, 131	1	20 A		17				18		20 A	1	REC RM 131, 113-1	
	REC RM 129	1	20 A		19	0.72	0.72		20		20 A	1	REC CROCKING 125	
	REC RM 121, 123	1	20 A		21				22		20 A	1	REC LAUNDRY 114-1	
	REC LAUNDRY 114	1	20 A		23				24		20 A	1	REC SHOWER	
	REC 117 COPIER	1	20 A		25	1.00	0.60		26		20 A	1	REC STAFF WORK AREA...	
	REC STAFF WORK AREA...	1	20 A		27				28		20 A	1	REC STAFF WORK AREA...	
	REC STAFF WORK AREA...	1	20 A		29				30		20 A	1	REC STAFF WORK AREA...	
	REC RM 119, 118, 120	1	20 A		31	0.90	0.90		32		20 A	1	REC OFFICE	
	REC RM 124, 127, 128	1	20 A		33				34		20 A	1	REC EXAM RM 126	
	REC RM 103, 102	1	20 A		35				36		20 A	1	REC EXAM RM 126	
	SITE LIGHTING	1	20 A		37	0.32	0.00		38		20 A	1	SPARE	
	SPARE	1	20 A		39				40		20 A	1	SPARE	
	SITE LIGHTING	1	20 A		41				42		20 A	1	SPARE	
TOTAL LOAD:						8.86 kVA	8.29 kVA	8.29 kVA						

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 HT - INDICATES C.B. EQUIPPED WITH 30mA GROUND FAULT FOR EQUIPMENT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LTG	4.08	100.00%	4.08	
Other	0.26	100.00%	0.26	Total Conn. Load: 25.44 kVA
REC	0.54	100.00%	0.54	Total Est. Demand: 20.67 kVA
Heating				Total Conn. Current: 70.62 A
Equipment				Total Est. Demand Current: 57.38 A
Lighting				

PANELBOARD: GEN LOAD CENTER
 LOCATION: ON GENERATOR MOUNTING: Surface ENCL NEMA: Type 1 MIN AIC: 10,000
 MAINS: M.O. VOLTS: 208/120 Wye PHASE: 3 WIRES: 4
 AMPS: 50

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
					1				2					
					3				4					
					5				6					
					7				8					
					9				10					
					11				12					
TOTAL LOAD:						0.00 kVA	0.00 kVA	0.00 kVA						

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Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LTG	0.00	100.00%	0.00	Total Conn. Load: 0.00 kVA
Other	0.00	100.00%	0.00	Total Est. Demand: 0.00 kVA
REC	0.00	100.00%	0.00	Total Conn. Current: 0.00 A
Heating				Total Est. Demand Current: 0.00 A
Equipment				
Lighting				

GENERAL NOTES
 A. 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 ISSUE

NO.	DATE	DESCRIPTION	BY
1	09/22/20	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-603