

ORDERING OF MATERIALS OR SERVICE: All requests, phone, specifications, drawings, etc. must be received by the Consultant at least 10 business days in advance of the start of construction. The Consultant will not be responsible for any delays or omissions in the supply of materials or services.

Order Plans

PANEL NAME: PPA3														
SUPPLY FROM: MSB			MANS RATING (A): 400			FAULT CURRENT (A): 17422			SURGE SUPPRESSION: UL/SE			SHORT CIRCUIT RATING: 25000		
LOCATION: ELECTRICAL CLOSET 211			MANS TYPE: MAIN LUGS ONLY			ENCLOSURE TYPE: NEMA 1			200% NEUTRAL:			ISOLATED GROUND:		
DISTRIBUTION SYSTEM: 480/277/3PH 4W			FEEDER: (2) SETS OF (4) #50 KCMIL AL, (1) #20 AWG AL, (1) #20 AWG AL, (1) #20 AWG AL, (1) #20 AWG AL			ENCLOSURE TYPE: NEMA 1			200% NEUTRAL:			ISOLATED GROUND:		
CKT	CIRCUIT DESCRIPTION	VP%	AWG	GND	TRIP	POLE	A	B	C	POLE	TRIP	POLE	CIRCUIT DESCRIPTION	CKT
1	TLF	SL	SL	SL	25A	3	36.78	3.88					RTU-20	1
2							42.93	3.88						2
3							4.16	6.10						3
4	RTU-12	SL	SL	SL	25A	3	4.16	6.10					RTU-12	4
5							6.93	6.93						5
6	RTU-14	SL	SL	SL	50A	3	6.93	6.93					RTU-14	6
7							21.89	21.89						7
8	DOAS-1	SL	SL	SL	90A	3	21.89	21.89					DOAS-1	8
9														9
10														10
11														11
12														12
13														13
14														14
15														15
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37														37
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40														40
41														41
42														42
<b>PANEL TOTALS</b> TOTAL CONNECTED LOAD: 185.7 kVA DEMAND CALCULATION NOTES: TOTAL DEMAND: 284.3 kVA TOTAL DEMAND AMP: 342 A														

PANEL NAME: PPA1														
SUPPLY FROM: MSB			MANS RATING (A): 600			FAULT CURRENT (A): 2647			SURGE SUPPRESSION: UL/SE			SHORT CIRCUIT RATING: 25000		
LOCATION: HALL X 126			MANS TYPE: MAIN LUGS ONLY			ENCLOSURE TYPE: NEMA 1			200% NEUTRAL:			ISOLATED GROUND:		
DISTRIBUTION SYSTEM: 480/277/3PH 4W			FEEDER: (2) SETS OF (4) #50 KCMIL AL, (1) #20 AWG AL, (1) #20 AWG AL, (1) #20 AWG AL, (1) #20 AWG AL			ENCLOSURE TYPE: NEMA 1			200% NEUTRAL:			ISOLATED GROUND:		
CKT	CIRCUIT DESCRIPTION	VP%	AWG	GND	TRIP	POLE	A	B	C	POLE	TRIP	POLE	CIRCUIT DESCRIPTION	CKT
1							76.78	7.28						1
2							22.92	7.28						2
3							7.28	9.00						3
4	SHUNT TRIP													4
5							7.28	7.28						5
6	SHUNT TRIP													6
7							0.00	7.28						7
8							9.00	9.00						8
9							6.93	6.93						9
10							6.93	6.93						10
11							6.93	6.93						11
12							6.93	6.93						12
13							6.93	6.93						13
14							6.93	6.93						14
15							6.93	6.93						15
16							6.93	6.93						16
17							6.93	6.93						17
18							6.93	6.93						18
19							6.93	6.93						19
20							6.93	6.93						20
21							6.93	6.93						21
22							6.93	6.93						22
23							6.93	6.93						23
24							6.93	6.93						24
25							6.93	6.93						25
26							6.93	6.93						26
27							6.93	6.93						27
28							6.93	6.93						28
29							6.93	6.93						29
30							6.93	6.93						30
31							6.93	6.93						31
32							6.93	6.93						32
33							6.93	6.93						33
34							6.93	6.93						34
35							6.93	6.93						35
36							6.93	6.93						36
37							6.93	6.93						37
38							6.93	6.93						38
39							6.93	6.93						39
40							6.93	6.93						40
41							6.93	6.93						41
42							6.93	6.93						42
<b>PANEL TOTALS</b> TOTAL CONNECTED LOAD: 162.6 kVA DEMAND CALCULATION NOTES: TOTAL DEMAND: 415.3 kVA TOTAL DEMAND AMP: 469 A														

SWITCHBOARD: MSB														
SUPPLY FROM: UTILITY			MANS RATING (A): 600			FAULT CURRENT (A): 6632			SURGE SUPPRESSION: UL/SE			SHORT CIRCUIT RATING: 10000		
LOCATION: ELECTRICAL CLOSET 138			MANS TYPE: MAIN LUGS ONLY			ENCLOSURE TYPE: NEMA 1			200% NEUTRAL:			ISOLATED GROUND:		
DISTRIBUTION SYSTEM: 480/277/3PH 4W			FEEDER: (2) SETS OF (4) #50 KCMIL AL, (1) #20 AWG AL, (1) #20 AWG AL, (1) #20 AWG AL, (1) #20 AWG AL			ENCLOSURE TYPE: NEMA 1			200% NEUTRAL:			ISOLATED GROUND:		
CKT	TRIP	FRAME	POLES	VP%	AWG	GND	A	B	C	POLE	TRIP	POLE	CIRCUIT DESCRIPTION	LOAD
1	200A	300A	3	SL	SL	SL	4620						AT#1	16.80 kVA
2	200A	300A	3	SL	SL	SL	4620						AT#2	16.80 kVA
3	400A	400A	3	SL	SL	SL	9240						TL#20A	19.74 kVA
4	225A	225A	3	SL	SL	SL	5445						HA	54.91 kVA
5	225A	225A	3	SL	SL	SL	5445						HA	54.91 kVA
6	800A	800A	3	SL	SL	SL	32220						PP#3	322.77 kVA
7	800A	800A	3	SL	SL	SL	32220						PP#4	322.77 kVA
8	1800A	1800A	3	SL	SL	SL	161100						PP#5	1611.00 kVA
9	400A	400A	3	SL	SL	SL	9240						PP#6	92.40 kVA
10	800A	800A	3	SL	SL	SL	32220						PP#7	322.77 kVA
11	80A	80A	3	SL	SL	SL	4620						PP#8	46.20 kVA
12	20A	20A	3	SL	SL	SL	1010						PP#9	10.10 kVA
13														
14														
15														
16														
17														
18														
19														
20														
<b>PANEL TOTALS</b> TOTAL CONNECTED LOAD: 1061.1 kVA DEMAND CALCULATION NOTES: TOTAL DEMAND: 1061.1 kVA TOTAL DEMAND AMP: 2338 A														

**PANEL SCHEDULE LEGEND**

(EX) = EXISTING CIRCUIT TO REMAIN  
 (N) = NEW CIRCUIT TO EXISTING CIRCUIT BREAKER  
 (C) = PROVIDE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) CIRCUIT BREAKER  
 (G) = PROVIDE GROUND-FAULT CIRCUIT PROTECTION (GFI) CIRCUIT BREAKER  
 (ST) = PROVIDE SHUNT TRIP CIRCUIT BREAKER  
 (AN) = PROVIDE AIRCIRCUIT INTERRUPTER (AFCI) CIRCUIT BREAKER  
 (L) = PROVIDE LOCK-ON DEVICE  
 (LT) = PROVIDE LOCK-OUT/TAG-OUT DEVICE  
 (C) = CONDUIT BRANCH