

PANELBOARD: EX HP															
LOCATION: MECH ROOM			MANS. MCB			AMPS: 500									
MOUNTING: Surface			VOLTS: 480/277 Wye												
ENCL NEMA: Type 1			PHASE: 3												
MIN AIC: EXISTING			WIRES: 4			NOTE: EXISTING LOADS CALCULATED AT MAXIMUM DEMAND									
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	
---	EXISTING	1	20 A	---	3	4.43	4.43		2	---	20 A	1	EXISTING	---	
---	EXISTING	1	20 A	---	5			4.43	4.43	6	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	7	4.43	19.95			8	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	9			4.43	19.95	10	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	11			4.43	19.95	12	---	90 A	3	EXISTING	---
---	EXISTING	1	20 A	---	13	4.43	22.17			14	---	100 A	3	EXISTING	---
---	SPARE	1	20 A	---	15			0.00	22.17	16	---	20 A	1	EXISTING	---
---	SPARE	1	20 A	---	17			0.00	22.17	18	---	20 A	1	EXISTING	---
---	SPARE	1	20 A	---	19	0.00	4.43			20	---	20 A	1	EXISTING	---
---	SPARE	1	20 A	---	21			0.00	0.00	22	---	20 A	1	SPARE	---
---	SPARE	1	20 A	---	23			0.00	0.00	24	---	20 A	1	SPARE	---
---	SPARE	1	20 A	---	25	0.00	0.00			26	---	20 A	1	SPARE	---
---	SPARE	1	20 A	---	27			0.00	0.00	28	---	20 A	1	SPARE	---
---	SPARE	1	20 A	---	29			0.00	0.00	30	---	20 A	1	SPARE	---
---	SPARE	1	20 A	---	31	0.00	0.00			32	---	20 A	1	SPARE	---
---	SPARE	1	20 A	---	33			0.00	0.00	34	---	20 A	1	SPARE	---
---	SPARE	1	20 A	---	35			0.00	0.00	36	---	20 A	1	SPARE	---
---	EXISTING	3	175 A	---	39	37.50	13.08			38	---	70 A	3	AHU-1	3#4 #80, 1-1/4"
---					41			37.50	13.08	42	---				
TOTAL LOAD:						114.85 kVA	105.99 kVA	105.99 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											
HVAC	39.24	100.00%	39.24	Total Conn. Load:	326.83 kVA										
				Total Est. Demand:	326.83 kVA										
				Total Conn. Current:	393.12 A										
				Total Est. Demand Current:	393.12 A										

PANELBOARD: EX L															
LOCATION: Gym			MANS. MCB			AMPS: 200									
MOUNTING: Surface			VOLTS: 208/120 Wye												
ENCL NEMA: Type 1			PHASE: 3												
MIN AIC: Existing			WIRES: 4			NOTE: NET REDUCTION THIS PANEL									
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	
---	EXISTING	1	20 A	---	1	0.00	0.00			2	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	3			0.00	0.00	4	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	5			0.00	0.00	6	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	7	0.00	0.00			8	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	9			0.00	0.00	10	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	11			0.00	0.00	12	---	20 A	1	EXISTING	---
---	EXISTING	2	20 A	---	13	0.00	0.00			14	---	20 A	2	EXISTING	---
---	EXISTING	2	20 A	---	15			0.00	0.00	16	---	20 A	2	EXISTING	---
---	EXISTING	2	20 A	---	17			0.00	0.00	18	---	30 A	2	EXISTING	---
---	EXISTING	2	20 A	---	19	0.00	0.00			20	---	20 A	2	EXISTING	---
---	EXISTING	2	20 A	---	21			0.00	0.00	22	---	20 A	2	EXISTING	---
---	EXISTING	2	20 A	---	23	0.00	0.00			24	---	20 A	1	SPARE	---
---	EXISTING	2	20 A	---	25	0.00	0.00			26	---	20 A	1	SPARE	---
---	EXISTING	2	20 A	---	27			0.00	0.00	28	---	20 A	1	SPARE	---
---	EXISTING	2	20 A	---	29			0.00	0.00	30	---	20 A	1	SPARE	---
---	EXISTING	3	20 A	---	31	0.00	0.16			32	---	20 A	1	GF/WP REC AHU-1	2#12 #120, 3-1/4"
---	EXISTING	1	20 A	---	33			0.00	0.00	34	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	35			0.00	0.00	36	---	20 A	1	SPARE	---
---	SPARE	1	20 A	---	37	0.00	0.00			38	---	20 A	1	SPARE	---
---	SPARE	1	20 A	---	39			0.00	0.00	40	---	20 A	1	SPARE	---
---	SPARE	1	20 A	---	41			0.00	0.00	42	---	20 A	1	SPARE	---
TOTAL LOAD:						0.18 kVA	0.00 kVA	0.00 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											
REC	0.18	100.00%	0.18	Total Conn. Load:	0.18 kVA										
				Total Est. Demand:	0.18 kVA										
				Total Conn. Current:	0.42 A										
				Total Est. Demand Current:	0.42 A										

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