

**Switchboard: EX MSB**

Location: BOILER ROOM  
Supply From: UTILITY XFMR  
Mounting: EXISTING  
Enclosure: EXISTING

Volts: 480/277 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: EXISTING  
Mains Type: MCB  
Mains Rating: 1200  
MCB Rating: 1200

Notes: UTILITY PROVIDED 12 MONTH PEAK KW TO BE 301KW

OKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	AHU-1	3	100	70	39.24	
2	EXISTING	3	--	175	0.00	
3	EXISTING	3	--	400	0.00	
4	EXISTING	3	--	60	0.00	
5	EXISTING	3	--	20	0.00	
6	EXISTING	3	--	20	0.00	
7	EXISTING	3	--	100	0.00	
8	EXISTING	3	--	20	0.00	
9	EXISTING	3	--	20	0.00	
10	EXISTING	3	--	20	0.00	
11	EXISTING	3	--	225	0.00	
12	EXISTING	3	--	20	0.00	
13	EXISTING	3	--	25	0.00	
14	EXISTING	3	--	20	0.00	
15	EXISTING	3	--	60	0.00	
16	EXISTING	3	--	40	0.00	
17	EXISTING	3	--	40	0.00	
18	EXISTING	3	--	225	0.00	
19	EXISTING	3	--	150	0.00	
20	EXISTING	3	--	20	0.00	
21	EXISTING	3	--	20	0.00	
22	EXISTING	3	--	20	0.00	
23	EXISTING	3	--	25	0.00	
24	EXISTING	3	--	25	0.00	
25	EXISTING	3	--	20	0.00	
26	EXISTING	3	--	100	0.00	
27	EXISTING	3	--	225	0.00	
28	EXISTING	3	--	20	0.00	
29	EXISTING	3	--	20	0.00	
30	EXISTING	3	--	225	0.00	
Total Conn. Load:					39.24	
Total Amps:					47	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	39.24	100.00%	39.24	
				Total Conn. Load (kVA): 39.24
				Total Est. Demand (kVA): 39.24
				Total Conn. (Amps): 47
				Total Est. Demand (Amps): 47

Notes: Building Sq. Ft.:

**PANELBOARD: EX L**

LOCATION: GYM  
MOUNTING: Surface  
ENCL: NEMA: Type 1  
MIN AIC: EXISTING

MAINS: EXISTING  
VOLTS: 208/120 Wye  
PHASE: 3  
WIRES: 4

AMPS: 200

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	OKT	A	B	C	OKT	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	--	20 A	2	EXISTING	...
...	EXISTING	2	30 A	--	21	19	0.00	0.00		22	--	20 A	2	EXISTING	...
...	EXISTING	2	30 A	--	23			0.00	0.00	24	--	20 A	2	EXISTING	...
...	EXISTING	2	20 A	--	25	0.00	0.18		26	--	20 A	1	AHU 1 CONV COOLANT	2#24#14"4" C	
...	EXISTING	2	20 A	--	27			0.00	0.00	28	--	20 A	1	SPARE	...
...	SPARE	3	20 A	--	29	0.00	0.00		30	--	20 A	1	SPARE	...	
...	SPARE	3	20 A	--	31	0.00	0.00		32	--	20 A	1	SPARE	...	
...	SPARE	3	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	...
...	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								

BREAKER TYPE KEYS:  
LO - INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE  
GF - INDICATES C.B. IS GROUND FAULT TYPE (GFI FOR PERSONNEL)  
SF - INDICATES C.B. EQUIPPED WITH SHUNT TRIP DEVICE  
HT - INDICATES C.B. EQUIPPED WITH SHUNT TRIP AND 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: 0.50 A
				Total Est. Demand Current: 0.50 A

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100% CD SET	01/31/2020
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DRAWING NO.
DATE
01/31/2020
PROJECT NO.
6919.6
DRAWING NO.
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RELEASED FOR CONSTRUCTION 01/31/2020