

Switchboard: MSA

Location: BOILER ROOM
Supply From: UTILITY XFMR
Mounting: PAD
Enclosure: NEMA TYPE 1

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

A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 1000
MCD Rating: 1000

Notes: UTILITY PROVIDED PEAK 12 MONTH PEAK POWER ON THIS PANEL TO BE 182kW.

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	EXISTING	3	--	150	0.00	
2	AHU-1	3	100	70	39.24	
3	EXISTING	3	--	20	0.00	
4	EXISTING	3	--	20	0.00	
5	EXISTING	3	--	100	0.00	
6	EXISTING	3	--	110	0.00	
7	EXISTING	3	--	125	0.00	
8	EXISTING	3	--	225	0.00	
9	EXISTING	3	--	150	0.00	
10	EXISTING	3	--	225	0.00	
11	SPACE	--	--	--	0.00	
12	EXISTING	3	--	20	0.00	
13	EXISTING	3	--	100	0.00	
14	EXISTING	3	--	110	0.00	
15	EXISTING	3	--	110	0.00	
16	EXISTING	3	--	225	0.00	
17						
18						
19						
20						
					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: MCB
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	CKT	A	B	C	CKT	TYPE	TRIP AMPS	P	LOAD DESCRIPTION	WIRE SIZE
--	EXISTING	1	20 A	--	3	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	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	12	--	20 A	1	EXISTING	--
--	EXISTING	2	20 A	--	13	0.00	0.00		14	--	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	1	EXISTING	--
--	EXISTING	2	30 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	1	20 A	--	27		0.00	0.00	28	--	20 A	1	SPARE	--
--	EXISTING	1	20 A	--	29			0.00	30	--	20 A	1	SPARE	--
--	EXISTING	3	20 A	--	31	0.00	0.18		32	--	20 A	1	AHU CONVENIENCE...	2-#12,#12Q,3/4"C
--	EXISTING	3	20 A	--	33		0.00	0.00	34	--	20 A	1	EXISTING	--
--	EXISTING	3	20 A	--	35			0.00	36	--	20 A	1	EXISTING	--
--	EXISTING	3	20 A	--	37	0.00	0.00		38	--	20 A	1	SPARE	--
--	EXISTING	3	20 A	--	39			0.00	40	--	20 A	2	EXISTING	--
--	EXISTING	3	20 A	--	41			0.00	42	--	20 A	2	EXISTING	--
						TOTAL LOAD:	0.18 kVA	0.00 kVA	0.00 kVA					

BREAKER TYPE KEYS:
L.O. - INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE
GF - INDICATES C.B. IS GROUND FAULT TYPE (20mA 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. (Amps): 0.50 A
				Total Est. Demand (Amps): 0.50 A

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100% CD SET	01/06/2020
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DRAWING TITLE:
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SCHEDULES

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DATE: 01/06/2020
PROJECT NO: 6919.9
DRAWING NO: E-601