Switchboard: MAIN SWBD

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: 2500
MCB Rating: 2500

Notes: UTILITY PROVIDED 12 MONTH PEAK kW TO BE 213kW.

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	EXISTING	3	--	125	0.00	
2	EXISTING	3	--	300	0.00	
3	EXISTING	3	--	150	0.00	
4	AHU 1	3	100	70	39.24	
5	EXISTING	3	--	100	0.00	
6	SPACE	--	--	--	0.00	--
7	EXISTING	3	--	150	0.00	
8	EXISTING	3	--	200	0.00	
9	EXISTING	3	--	400	0.00	
10	EXISTING	3	--	150	0.00	
11	EXISTING	3	--	300	0.00	
12	EXISTING	3	--	150	0.00	
13	SPACE	--	--	--	0.00	--
14	EXISTING	3	--	50	0.00	
15	SPACE	--	--	--	0.00	--
16	EXISTING	3	--	150	0.00	
17	EXISTING	3	--	150	0.00	
18	EXISTING	3	--	300	0.00	
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	--	1	0.00	0.00					2	--	20 A	1	EXISTING	--
--	EXISTING	1	20 A	--	3			0.00	0.00			4	--	20 A	2	EXISTING	--
--	EXISTING	1	20 A	--	5					0.00	0.00	6					
--	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	--	--	--	SPACE	--
					15			0.00	0.00			16	--	20 A	1	EXISTING	--
--	EXISTING	2	20 A	--	17					0.00	0.00	18	--	20 A	2	EXISTING	--
					19	0.00	0.00					20					
--	EXISTING	2	20 A	--	21			0.00	0.00			22	--	20 A	2	EXISTING	--
					23					0.00	0.00	24					
--	EXISTING	2	20 A	--	25	0.00	0.00					26	--	20 A	1	SPARE	--
					27			0.00	0.00			28	--	20 A	1	SPARE	--
--	SPARE	3	20 A	--	29					0.00	0.00	30	--	20 A	1	SPARE	--
					31	0.00	0.18					32	--	20 A	1	EXISTING CONVENIENCE OUTLET	#12,#12G,3/4"C
					33			0.00	0.00			34	--	20 A	1	EXISTING	--
--	SPARE	1	20 A	--	35					0.00	0.00	36	--	20 A	1	EXISTING	--
					37	0.00	0.00					38	--	20 A	1	EXISTING	--
--	EXISTING	3	20 A	--	39			0.00	0.00			40	--	20 A	2	EXISTING	--
					41					0.00	0.00						
				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:	0.50 A
				Total Est. Demand Current:	0.50 A

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ID	100% CD SET	01/06/2020

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CONSULTANT

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DRAWING NO.

DATE
01/06/2020
PROJECT NO.
6919.8
DRAWING NO.
E-601

RELEASED FOR CONSTRUCTION 01/06/2020