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	CKT	A		CKT	B		CKT	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	--
					15			0.00	0.00					16					
--	EXISTING	2	20 A	--	17						0.00	0.00		18	--	30 A	2	EXISTING	--
					19	0.00	0.00							20					
--	EXISTING	2	30 A	--	21			0.00	0.00					22	--	20 A	2	EXISTING	--
					23						0.00	0.00		24					
--	EXISTING	2	20 A	--	25	0.00	0.18							26	--	20 A	1	REC	--
					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	0.00							32	--	20 A	1	SPARE	--
					33			0.00	0.00					34	--	20 A	1	EXISTING	--
--	SPARE	1	20 A	--	35						0.00	0.00		36	--	20 A	1	EXISTING	--
--	EXISTING	1	20 A	--	37	0.00	0.00							38	--	20 A	1	EXISTING	--
--	EXISTING	1	20 A	--	39			0.00	0.00					40	--	20 A	2	EXISTING	--
--	EXISTING	1	20 A	--	41						0.00	0.00		42					
					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

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 12MONTH PEAK kW TO BE XXXkW

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	EXISTING	3	--	200	0.00	
2	EXISTING	3	--	100	0.00	
3	EXISTING	3	--	20	0.00	
4	EXISTING	3	--	40	0.00	
5	EXISTING	3	--	40	0.00	
6	EXISTING	3	--	20	0.00	
7	EXISTING	3	--	60	0.00	
8	EXISTING	3	--	20	0.00	
9	EXISTING	3	--	70	0.00	
10	EXISTING	3	--	20	0.00	
11	EXISTING	3	--	125	0.00	
12	EXISTING	3	--	15	0.00	
13	EXISTING	3	--	125	0.00	
14	EXISTING	3	--	225	0.00	
15	EXISTING	3	--	15	0.00	
16	EXISTING	3	--	110	0.00	
17	EXISTING	3	--	100	0.00	
18	EXISTING	3	--	0	0.00	
19	EXISTING	3	--	0	0.00	
20	AHU-1		100		39.24	
				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.:**

Order Plans @ www.LDLine.com

CD: 100% CD SET 01/31/2020

HAWTHORNE ELEMENTARY SCHOOL
GYM HVAC DESIGN
2535 Caladium Drive NE
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DRAWING NO.

DATE
01/31/2020
PROJECT NO.
6919.2
DRAWING NO.
E-601

RELEASED FOR CONSTRUCTION 01/31/2020