

**PANELBOARD: EX L**  
 LOCATION: GYM  
 MOUNTING: Surface  
 ENCL NEMA: Type 1  
 MIN AIC: EXISTING

MAINS: MCB  
 VOLTS: 200/120 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	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		20	--	20 A	2	EXISTING	--	
--	EXISTING	2	30 A	--	21			0.00	0.00	22	--	20 A	2	EXISTING	--
--	EXISTING	2	20 A	--	23	0.00	0.18		25	--	20 A	1	AHU-1 CONV OUTLET	2#12#4G,3#4"C	
--	EXISTING	2	20 A	--	25			0.00	0.00	28	--	20 A	1	SPARE	--
--	SPARE	3	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	EXISTING	--
--	SPARE	1	20 A	--	35			0.00	0.00	36	--	20 A	1	EXISTING	--
--	SPARE	1	20 A	--	37	0.00	0.00		38	--	20 A	1	EXISTING	--	
--	SPARE	1	20 A	--	39			0.00	0.00	40	--	20 A	2	SPARE	--
--	SPARE	1	20 A	--	41			0.00	0.00	42	--	20 A	2	SPARE	--
<b>TOTAL LOAD:</b>						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	
				<b>Total Conn. Load:</b> 0.18 kVA
				<b>Total Est. Demand:</b> 0.18 kVA
				<b>Total Conn. Current:</b> 0.50 A
				<b>Total Est. Demand Current:</b> 0.50 A

**Switchboard: EX MSB**  
 Location: BOILER ROOM  
 Supply From: UTILITY XMR  
 Mounting: EXISTING  
 Enclosure: EXISTING

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

A.I.C. Rating: EXISTING  
 Mains Type: MCB  
 Mains Rating: 1600  
 MCB Rating: 1600

Notes: UTILITY PROVIDED 12MONTH PEAK KW TO BE 257KW

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	EXISTING	3	--	100	0.00	
2	EXISTING	3	--	100	0.00	
3	EXISTING	3	--	20	0.00	
4	EXISTING	3	--	50	0.00	
5	EXISTING	3	--	100	0.00	
6	EXISTING	3	--	100	0.00	
7	EXISTING	3	--	100	0.00	
8	EXISTING	3	--	125	0.00	
9	EXISTING	3	--	100	0.00	
10	EXISTING	3	--	100	0.00	
11	EXISTING	3	--	30	0.00	
12	EXISTING	3	--	90	0.00	
13	EXISTING	3	--	100	0.00	
14	EXISTING	3	--	70	0.00	
15	EXISTING	3	--	100	0.00	
16	EXISTING	3	--	70	0.00	
17	EXISTING	3	100	125	0.00	
18	AHU-1	3	100	70	39.24	
19						
20						
<b>Total Conn. Load:</b>					39.24	
<b>Total Amps:</b>					47	

**Legend:**

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

Notes:  
 Building Sq. Ft.:

Order Plans @ [www.IDIline.com](http://www.IDIline.com)

100% CD SET	01/31/2020
-------------	------------

**ELDRIDGE L MILLER ELEMENTARY  
 SCHOOL GYM HVAC DESIGN**  
 919 Martin Road  
 Stone Mountain, Georgia 30088



ARCHITECTURE  
 INTERIORS PLANNING  
 PROGRAM MANAGEMENT  
 1186 SPRING STREET, N.W.  
 ATLANTA, GEORGIA 30309-3818  
 404-576-0598  
 404-576-0867 fax  
 www.stanleylove-stanleypac.com

DRAWING TITLE:  
 ELECTRICAL  
 SCHEDULES



CONULTANT  
**mf Engineering**  
 888 HARRISON DRIVE SUITE 725  
 ATLANTA, GA 30328 878-912-0028

SCALES AS STATED HEREON ARE VALID ON THE ORIGINAL DRAWING. THE DIMENSIONS OF WHICH ARE SHOWN HEREON. THE SCALES OF THIS DRAWING ARE HEREBY CHANGED BY THE RATIO OF THE OVERALL SHEET DIMENSIONS OF THIS PRINT TO CORRESPONDING DIMENSIONS OF THE ORIGINAL DRAWING.

THE DRAWING IS THE PROPERTY OF STANLEY LOVE STANLEY P.A.C. AND IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART, IF ANY, WITHOUT THE WRITTEN CONSENT OF STANLEY LOVE STANLEY P.A.C. HEREIN AND IS NOT TO BE USED ON ANY OTHER PROJECT. IT IS TO BE RETURNED UPON REQUEST.

COPYRIGHT © 2016. ALL RIGHTS RESERVED BY STANLEY LOVE STANLEY P.A.C.

DATE: 01/31/2020  
 PROJECT NO: 6919.1  
 DRAWING NO: E-601

RELEASED FOR CONSTRUCTION 01/31/2020