

PANELBOARD: EX H6
 LOCATION: GYM
 MOUNTING: Surface
 ENCL NEMA: Type 1
 MIN AIC: EXISTING

MAINS: MLO
 VOLTS: 480/277 Wye
 PHASE: 3
 WIRES: 4

AMPS: 60

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	3	30 A	---	1	0.00	0.00	---	---	---	15 A	3	SPARE	---
---	EXISTING	1	20 A	---	3	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	5	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	7	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	9	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	11	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	13	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	15	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	17	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	19	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	21	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	23	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	25	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	27	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	29	0.00	0.00	---	---	---	20 A	1	EXISTING	---
TOTAL LOAD:						0.00 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
				Total Conn. Load: 0.00 kVA
				Total Est. Demand: 0.00 kVA
				Total Conn. Current: 0.00 A
				Total Est. Demand Current: 0.00 A

PANELBOARD: EX L6
 LOCATION: GYM
 MOUNTING: Surface
 ENCL NEMA: Type 1
 MIN AIC: EXISTING

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

AMPS: 50

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	---	---	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	3	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	REC	1	20 A	---	5	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	7	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	EXISTING	1	20 A	---	9	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	EXISTING	2	20 A	---	11	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	13	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	15	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	17	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	19	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	21	0.00	0.00	---	---	---	20 A	1	EXISTING	---
---	SPACE	---	---	---	23	0.00	0.00	---	---	---	20 A	1	EXISTING	---
TOTAL LOAD:						0.00 kVA	0.00 kVA	0.18 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: 0.25 A
				Total Est. Demand Current: 0.50 A

PANELBOARD: UNNAMED PANEL ① ②
 LOCATION: BOILER ROOM
 MOUNTING: Surface
 ENCL NEMA: Type 1
 MIN AIC: EXISTING

MAINS: 800A MLO
 VOLTS: 480/277 Wye
 PHASE: 3
 WIRES: 4

AMPS: 800

PANEL NOTES:
 PROVIDE GROUND BUS
 PROVIDE FULL SIZE NEUTRAL BUS UNLESS NOTED OTHERWISE
 PANEL FED FROM A 800A SWITCH IN DISTRIBUTION BOARD HW

WIRE SIZE	LOAD DESCRIPTION	P	TRIP AMPS	TYPE	CKT	A	B	C	CKT	TYPE	TRIP AMPS	P	LOAD DESCRIPTION	WIRE SIZE
---	EXISTING	3	20 A	---	1	0.00	0.00	---	---	---	20 A	3	EXISTING*	---
---	EXISTING	3	20 A	---	3	0.00	0.00	---	---	---	20 A	3	EXISTING*	---
---	EXISTING	3	20 A	---	5	0.00	0.00	---	---	---	20 A	3	EXISTING*	---
---	EXISTING	3	20 A	---	7	0.00	0.00	---	---	---	125 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	9	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	11	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	13	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	15	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	17	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	19	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	21	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	23	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	25	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	27	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	29	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	31	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	33	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	35	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	37	0.00	13.08	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	39	0.00	13.08	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	41	0.00	13.08	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	20 A	---	43	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	50 A	---	45	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	100 A	---	47	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	100 A	---	49	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	100 A	---	51	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	30 A	---	53	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	30 A	---	55	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	30 A	---	57	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	30 A	---	59	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	30 A	---	61	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	30 A	---	63	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
---	EXISTING*	3	30 A	---	65	0.00	0.00	---	---	---	225 A	3	EXISTING*	---
TOTAL LOAD:						0.00 kVA	0.00 kVA	13.08 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
HVAC	39.24	100.00%	39.24	Total Conn. Load: 39.24 kVA
				Total Est. Demand: 39.24 kVA
				Total Conn. Current: 47.20 A
				Total Est. Demand Current: 47.20 A

- DRAWING NOTES**
- EXISTING PANEL CURRENTLY UNDER A 30 DAY METERING IN COMPLIANCE WITH NEC 220.87.
 - PROVIDE A NEW 70A/3P CIRCUIT BREAKER IN EXISTING OPEN SPACE ON EXISTING MAIN SWITCHBOARD. MATCH EXISTING CIRCUIT BREAKER CHARACTERISTICS INCLUDING MANUFACTURER, TYPE AND KICG RATING. MANUFACTURE IS "SQUARE D LINE PANELBOARD", TYPE IS "FA", 18KAC.

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WOODWARD ELEMENTARY SCHOOL
GYM HVAC DESIGN
 3034 Curtis Drive
 Atlanta, Georgia 30319



DRAWING TITLE
ELECTRICAL SCHEDULES



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