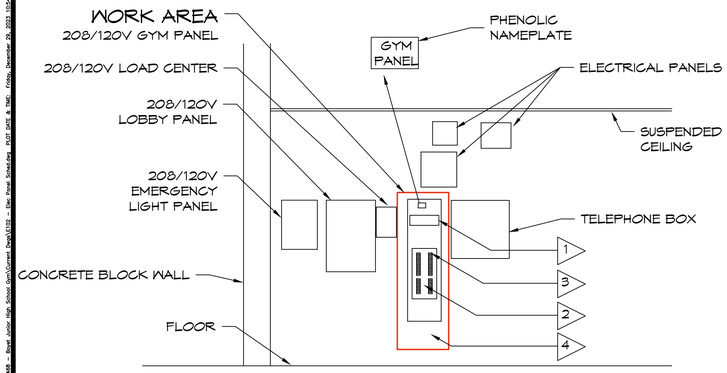
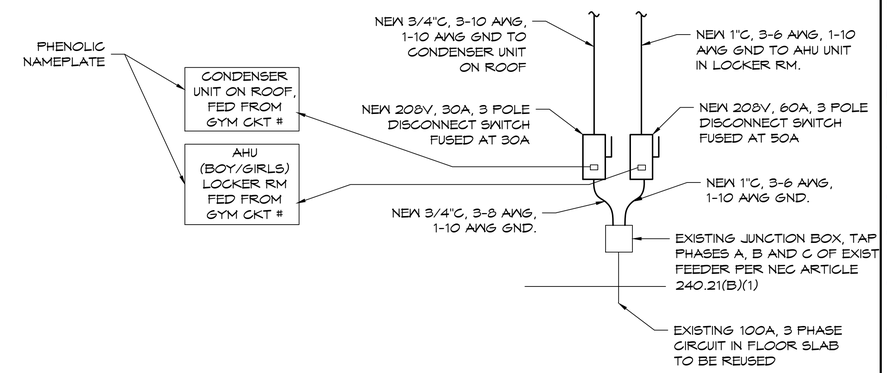


A
E101 E102
ELEVATION
SCALE: NONE

RECONDITION ELECTRICAL PANEL AS FOLLOWS:
LOCK OUT AND TAG OUT DISCONNECT SWITCH FOR PANEL AT SERVICE ENTRANCE.
THOROUGHLY INSPECT, CLEAN AND VACUUM INTERIOR OF PANEL.
INSPECT AND TIGHTEN ANY LOOSE CONNECTIONS.
EXERCISE EACH BREAKER BY OPERATING THE TRIP HANDLE 6 TIMES. REPLACE ANY BREAKERS THAT DO NOT OPERATE SMOOTHLY

1. FABRICATE NEW SHEET METAL COVER TO REPLACE MISSING COVER AT TOP OF PANEL, TO PROTECT FROM ACCIDENTAL CONTACT WITH EXPOSED BUS.
2. REMOVE EXISTING HOME MADE SURROUND PLATE FROM LOWER BREAKERS AND FABRICATE NEW SHEET METAL PLATE TO REPLACE EXISTING.
3. INSTALL NEW BLANKING PLATES TO COVER OPENINGS FROM MISSING BREAKERS.
4. UPDATE PANEL SCHEDULE TO REFLECT CHANGES, SECURE OUTER COVER OF PANEL TO BOX WITH SELF TAPPING SHEET METAL SCREWS. PAINT PANEL COVER AND INTERIOR TRIM LIGHT GRAY ENAMEL



B
E101 E102
DETAIL
SCALE: NONE

PANEL SCHEDULE

PANEL: GYM
LOCATION: EQUIPMENT ROOM
FEEDER SOURCE: DISCONNECT SWITCH AT SERVICE ENTRANCE
VOLTAGE: 208/120V, 600 A, 3 PHASE, 4 WIRE
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR, WESTINGHOUSE TYPE WBA

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)		LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		RECEPTACLES IN GYM	20	1				1	20	30A DISCONNECT SWITCH IN WASH ROOM		2
3		EMERGENCY LIGHTS AND RECEPT	20	1				1	20	30A DISCONNECT SWITCH IN WASH ROOM		4
5		GYM MAIN LIGHTS	25	1				1	25	GYM MAIN LIGHTS		6
7		GYM MAIN LIGHTS	30	1				1	25	GYM MAIN LIGHTS		8
9		GYM MAIN LIGHTS	25	1				1	25	GYM MAIN LIGHTS		10
11		DISCONNECT SWITCH EAST SIDE BLEACHERS	30	3				1	25	GYM MAIN LIGHTS		12
13								1	25	GYM MAIN LIGHTS		14
15								2	60	EXHAUST FAN		16
17		EXISTING LOAD	15	3								18
19								3	100	PANEL IN CONCESSION STAND		20
21												22
23		LOBBY PANEL	100	3								24
25								1	15	FIRE ALARM		26
27										SPACE		28
29		SPACE								SPACE		30
31		SPACE								SPACE		32
33		SPACE								SPACE		34
35		SPACE								SPACE		36
37		~~CONDENSER UNIT, FRONT GYM~~	100	3				1	25	SCORE BOARD		38
39										SPACE		40
41								2	35	SPARE		42
43		~~HEATER, LEFT SIDE NEAR BOY'S LOCKER ROOM~~	100	3								44
45								2	60	SPARE		46
47												48
49		DRYER	100	3				3	100	~~CONDENSER UNIT REAR GYM~~		50
51												52
53												54
55		DISCONNECT SWITCH WEST SIDE BLEACHERS	30	3				3	100	~~HEATER, RIGHT SIDE NEAR GIRL'S LOCKER ROOM~~		56
57												58
59												60
61		SPACE								SPACE		62
63		SPACE								SPACE		64

SOLID NEUTRAL
NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) = ####
AØ = #### BØ = #### CØ = ####
GROUND BUS
GROUND WIRE (G)

REMOVE EXISTING CIRCUIT BREAKERS

EXISTING ARRANGEMENT

PANEL SCHEDULE

PANEL: GYM
LOCATION: EQUIPMENT ROOM
FEEDER SOURCE: DISCONNECT SWITCH AT SERVICE ENTRANCE
VOLTAGE: 208/120V, 600 A, 3 PHASE, 4 WIRE
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR, EATON POW-R-LINE

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)		LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		RECEPTACLES IN GYM	20	1				1	20	30A DISCONNECT SWITCH IN WASH ROOM		2
3		EMERGENCY LIGHTS AND RECEPT	20	1				1	20	30A DISCONNECT SWITCH IN WASH ROOM		4
5		GYM MAIN LIGHTS	25	1				1	25	GYM MAIN LIGHTS		6
7		GYM MAIN LIGHTS	30	1				1	25	GYM MAIN LIGHTS		8
9		GYM MAIN LIGHTS	25	1				1	25	GYM MAIN LIGHTS		10
11		DISCONNECT SWITCH EAST SIDE BLEACHERS	30	3				1	25	GYM MAIN LIGHTS		12
13								1	25	GYM MAIN LIGHTS		14
15								2	60	EXHAUST FAN		16
17		EXISTING LOAD	15	3								18
19								3	100	PANEL IN CONCESSION STAND		20
21												22
23		LOBBY PANEL	100	3								24
25								1	15	FIRE ALARM		26
27										SPACE		28
29		SPACE								SPACE		30
31		SPACE								SPACE		32
33		SPACE								SPACE		34
35		SPACE								SPACE		36
37	#2	PACKAGE HVAC UNIT, FRONT GYM	100	3	7500			1	25	SCORE BOARD		38
39					7500		180	1	20	RECEPTACLE AT MINI-SPLIT	#12	40
41					7500		3026	2	35	MINI SPLIT #1	#10	42
43		HVAC UNIT AND CONDENSER, LEFT SIDE, BOY'S LOCKER ROOM	100	3	7877		3026					44
45					7877		1605	2	20	MINI SPLIT #2	#12	46
47					7877		1605					48
49		DRYER	100	3	7500		7500	3	100	PACKAGE HVAC UNIT, REAR GYM	#1	50
51					7500		7500					52
53					7500		7500					54
55		DISCONNECT SWITCH WEST SIDE BLEACHERS	30	3			7877	3	100	HVAC UNIT AND CONDENSER, RIGHT SIDE, GIRL'S LOCKER ROOM		56
57							7877					58
59							7877					60
61		SPACE								SPACE		62
63		SPACE								SPACE		64

SOLID NEUTRAL
NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) = ####
AØ = #### BØ = #### CØ = ####
GROUND BUS
GROUND WIRE (G)

REUSE EXISTING CIRCUIT BREAKERS

NEW CIRCUIT BREAKERS

REUSE EXISTING CIRCUIT BREAKERS

NEW ARRANGEMENT

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Chief Engineer: Brian Mistich, PE
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Slidell, LA 70458

#	DESCRIPTION	DATE
	REVISIONS	

SEAL:

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER
12/29/2023

MECHANICAL RENOVATIONS
BOYET JUNIOR HIGH SCHOOL
54295 Rebel Dr.
Slidell, LA 70461

JOB No:	2463
DATE:	12-29-2023
DRAWN BY:	DD/JTL
CHECKED BY:	BAM

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SHEET TITLE:
ELECTRICAL PANEL SCHEDULES,

DRAWING NUMBER:
E102

SHEET No: 9 of 9