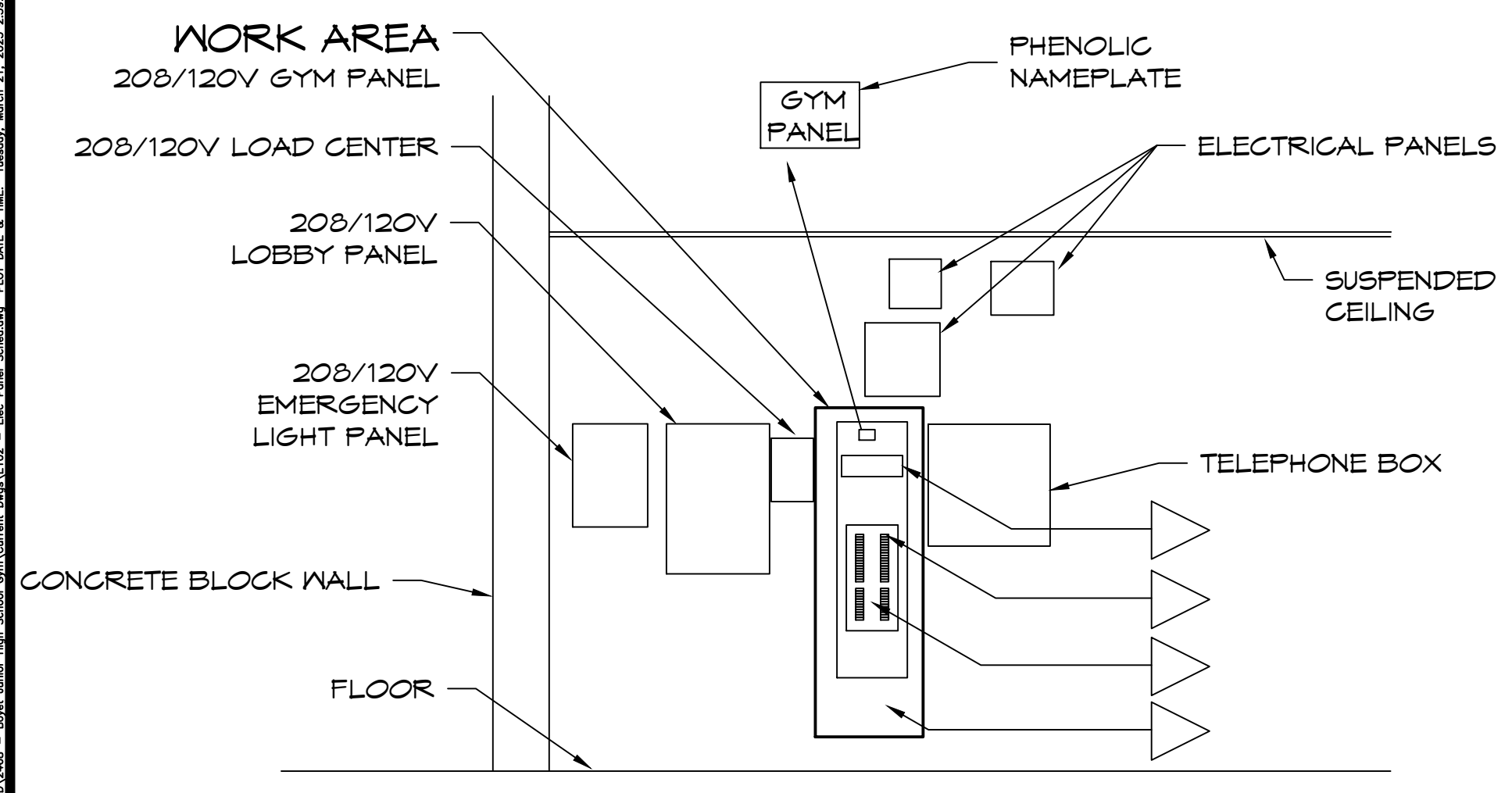


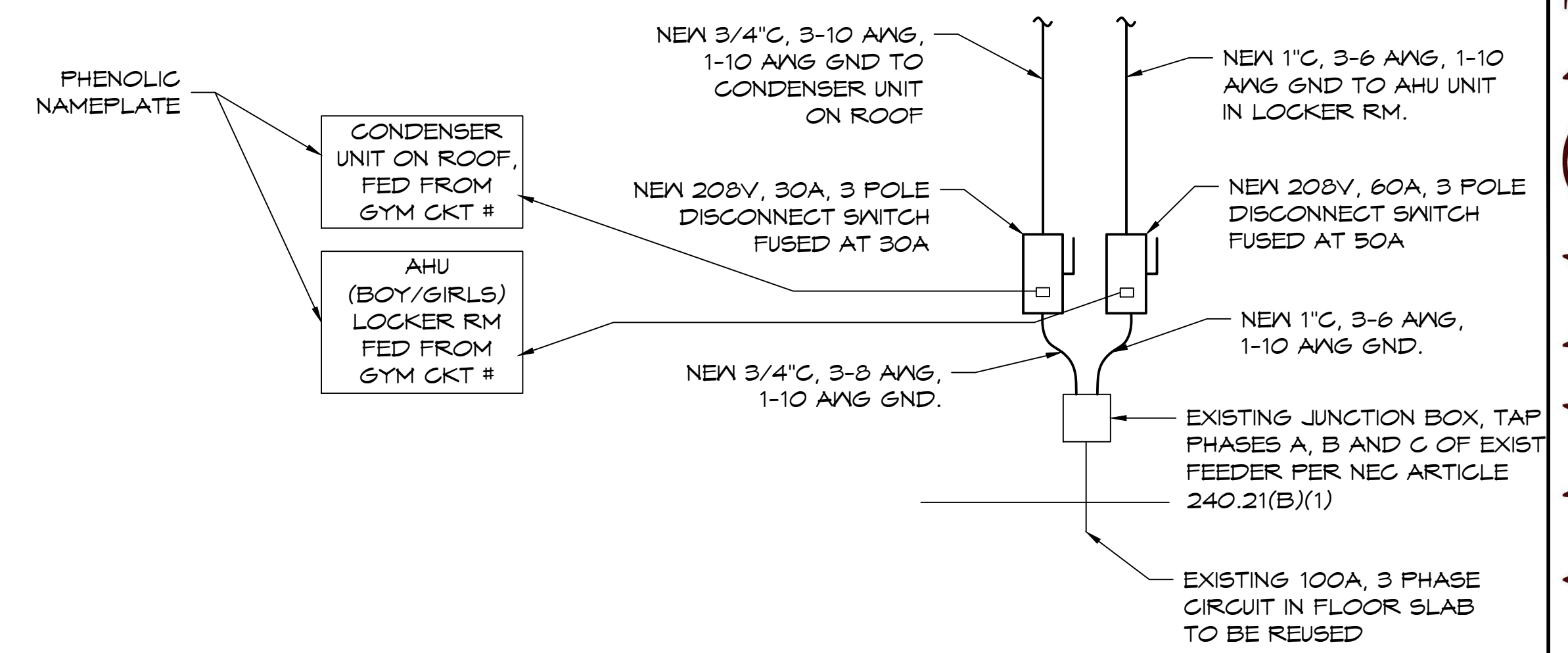
E102 - Mechanical Renovations - Boyette Junior High School - Electrical Panel Schedules - 3/21/2022 - Brian A. Mistich, PE



H ELEVATION
E101 E102 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

- ▷ FABRICATE NEW SHEET METAL COVER TO REPLACE MISSING COVER AT TOP OF PANEL, TO PROTECT FROM ACCIDENTAL CONTACT WITH EXPOSED BUS.
- ▷ REMOVE EXISTING HOME MADE SURROUND PLATE FROM LOWER BREAKERS AND FABRICATE NEW SHEET METAL PLATE TO REPLACE EXISTING.
- ▷ INSTALL NEW BLANKING PLATES TO COVER OPENINGS FROM MISSING BREAKERS.
- ▷ 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



J DETAIL
E101 E102 SCALE: NONE

PANEL SCHEDULE												
PANEL: GYM EQUIPMENT ROOM				VOLTAGE: 208/120V, 600 A, 3 PHASE, 4 WIRE								
LOCATION: EQUIPMENT ROOM				ENCLOSURE: FLUSH MOUNTED IV EQUIPMENT GND BAR, WRESTINGHOUSE TYPE NEMA								
FEEDER SOURCE: DISCONNECT SWITCH AT SERVICE ENTRANCE												
GKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	BUS			LOAD (VA)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	GKT NO
					A	B	C					
1		RECEPTACLES IN GYM	20 1					1	20	30A DISCONNECT SWITCH IN WASH ROOM		2
3		EMERGENCY LIGHTS AND RECEIPT	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		GYM MAIN LIGHTS	25 1					1	25	GYM MAIN LIGHTS		12
13		DISCONNECT SWITCH EAST SIDE BLEACHERS	30 3					1	25	GYM MAIN LIGHTS		14
15												16
17		EXISTING LOAD	15 3					2	60	EXHAUST FAN		18
19												20
21								3	100	PANEL IN CONCESSION STAND		22
23												24
25		LOBBY PANEL	100 3					1	15	FIRE ALARM		26
27												28
29												30
31												32
33												34
35												36
37								1	25	SCORE BOARD		38
39		CONDENSER UNIT FRONT GYM	100 3									40
41												42
43												44
45		HEATER LEFT SIDE NEAR BOYS LOCKER ROOM	100 3					2	60			46
47								2	60			48
49												50
51		DRYER	100 3					3	100	CONDENSER UNIT REAR GYM		52
53												54
55												56
57		DISCONNECT SWITCH WEST SIDE BLEACHERS	30 3					3	100	HEATER RIGHT SIDE NEAR GIRLS LOCKER ROOM		58
59												60
61												62
63												64
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (VA) = ****				GROUND BUS GROUND WIRE (G)				
				AD = ****				BO = ****				

EXISTING ARRANGEMENT

PANEL SCHEDULE												
PANEL: GYM EQUIPMENT ROOM				VOLTAGE: 208/120V, 600 A, 3 PHASE, 4 WIRE								
LOCATION: EQUIPMENT ROOM				ENCLOSURE: FLUSH MOUNTED IV EQUIPMENT GND BAR, EATON POWER-LINE								
FEEDER SOURCE: DISCONNECT SWITCH AT SERVICE ENTRANCE												
GKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	BUS			LOAD (VA)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	GKT NO
					A	B	C					
1		RECEPTACLES IN GYM	20 1					1	20	30A DISCONNECT SWITCH IN WASH ROOM		2
3		EMERGENCY LIGHTS AND RECEIPT	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		GYM MAIN LIGHTS	25 1					1	25	GYM MAIN LIGHTS		12
13		DISCONNECT SWITCH EAST SIDE BLEACHERS	30 3					1	25	GYM MAIN LIGHTS		14
15												16
17		EXISTING LOAD	15 3					2	60	EXHAUST FAN		18
19												20
21								3	100	PANEL IN CONCESSION STAND		22
23												24
25		LOBBY PANEL	100 3					1	15	FIRE ALARM		26
27												28
29												30
31												32
33												34
35												36
37								1	25	SCORE BOARD		38
39		CONDENSER UNIT FRONT GYM	100 3									40
41												42
43												44
45		HYAC UNIT AND CONDENSER LEFT SIDE, BOYS LOCKER ROOM	100 3					18TT				46
47								18TT				48
49												50
51		DRYER	100 3					1800	3	100	PACKAGE HYAC UNIT, REAR GYM	52
53								1800				54
55								1800				56
57		DISCONNECT SWITCH WEST SIDE BLEACHERS	30 3					18TT	3	100	HYAC UNIT AND CONDENSER RIGHT SIDE, GIRLS LOCKER ROOM	58
59								18TT				60
61												62
63												64
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (VA) = ****				GROUND BUS GROUND WIRE (G)				
				AD = ****				BO = ****				

NEW ARRANGEMENT

REMOVE EXISTING CIRCUIT BREAKERS

NEW CIRCUIT BREAKERS

REUSE EXISTING CIRCUIT BREAKERS

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 PH: 985.649.5832

DATE	REVISIONS
	# DESCRIPTION

SEAL:

MECHANICAL RENOVATIONS
BOYETTE JUNIOR HIGH SCHOOL
 3-1-2023
 DATE: 3-21-2022
 DRAWN BY: BAY
 CHECKED BY: DD/JTL

SHEET TITLE: ELECTRICAL PANEL SCHEDULES
 DRAWING NUMBER: **E102**
 SHEET No: 9 of 9