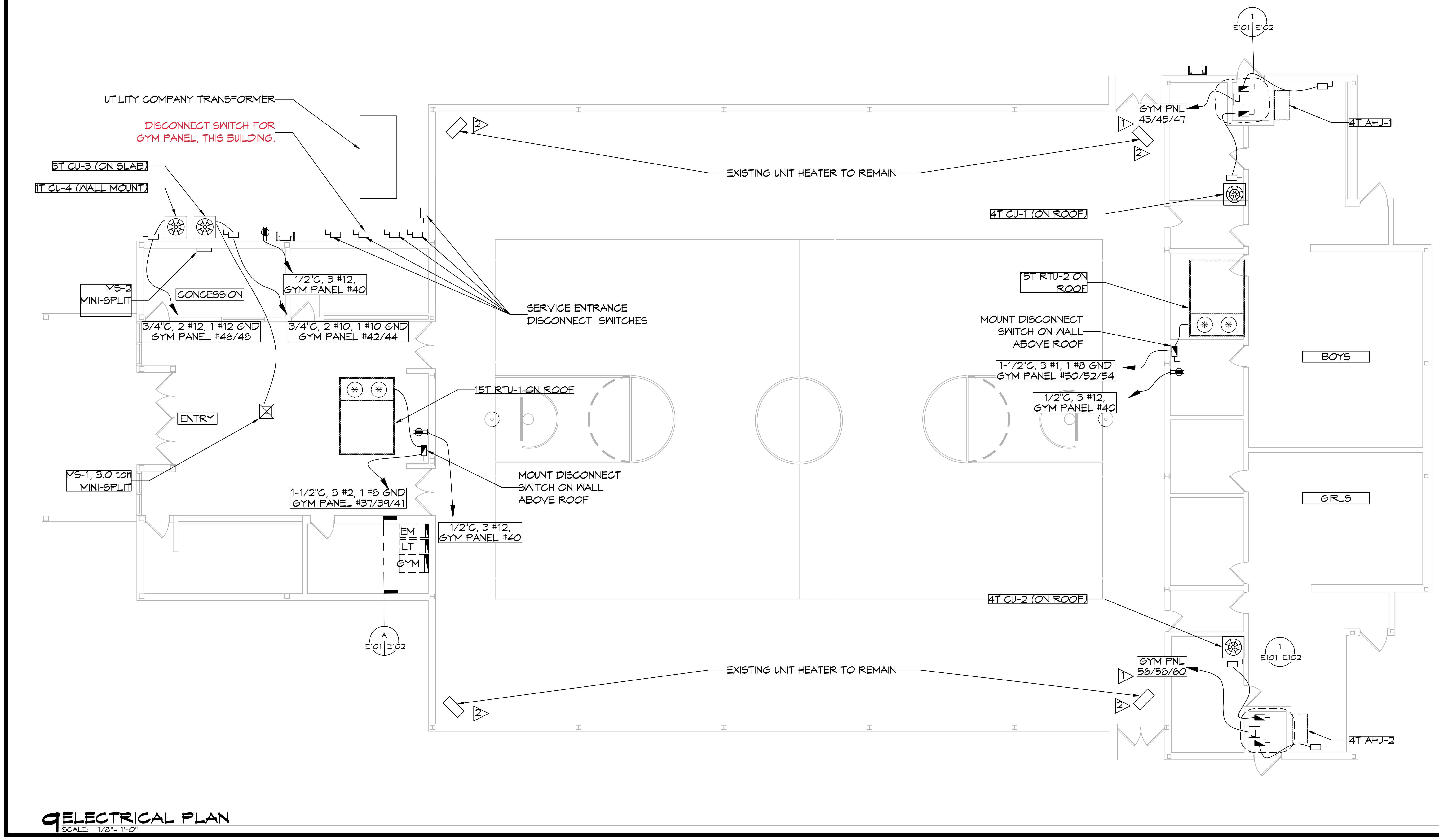
FILE NAME: J:\- Schools Public\ST TAMMANY PARISH SCHOOL BOARD\2468 - Boyet Junior High School Gym\Current Dwgs\E101 - Electrical Plan.dwg PLOT DATE & TIME: Friday, March 3, 2023 1:31:03 PM

CONSTRUCTION NOTES

1. EXISTING CONDUIT AND WIRE IN FLOOR SLAB TO BE REUSED. IDENTIFY CIRCUIT AND LABEL CIRCUIT BREAKER ON J-BOX.
2. EXISTING UNIT HEATER TO REMAIN. IDENTIFY CIRCUIT AND LABEL CIRCUIT BREAKER ON J-BOX.


UTILITY COMPANY TRANSFORMER
DISCONNECT SWITCH FOR GYM PANEL, THIS BUILDING.
3T CU-3 (ON SLAB)
1T CU-4 (WALL MOUNT)
MS-2 MINI-SPLIT
CONCESSION
1/2"C, 3 #12, GYM PANEL #40
3/4"C, 2 #12, 1 #12 GND GYM PANEL #46/48
3/4"C, 2 #10, 1 #10 GND GYM PANEL #42/44
SERVICE ENTRANCE DISCONNECT SWITCHES
ENTRY
15T RTU-1 ON ROOF
MOUNT DISCONNECT SWITCH ON WALL ABOVE ROOF
MS-1, 3.0 ton MINI-SPLIT
1-1/2"C, 3 #2, 1 #8 GND GYM PANEL #37/39/41
1/2"C, 3 #12, GYM PANEL #40
EM
LT
GYM
A
E101 E102
2
EXISTING UNIT HEATER TO REMAIN
1
E101 E102
GYM PNL 43/45/47
4T AHU-1
4T CU-1 (ON ROOF)
15T RTU-2 ON ROOF
MOUNT DISCONNECT SWITCH ON WALL ABOVE ROOF
1-1/2"C, 3 #1, 1 #8 GND GYM PANEL #50/52/54
1/2"C, 3 #12, GYM PANEL #40
BOYS
GIRLS
4T CU-2 (ON ROOF)
GYM PNL 56/58/60
4T AHU-2

9 ELECTRICAL PLAN
SCALE: 1/8"= 1'-0"

GENERAL POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL DISCONNECTS, RECEPTACLES, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
7. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION.
8. MINIMUM SIZE CONDUIT SHALL BE ¾" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, ¾" SCHEDULE 80 PVC FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC FOR EXTERIOR USE BELOW GRADE, BURIED A MINIMUM OF 18" FOR NON-VEHICLUAR TRAFFIC AREAS AND 36" IN VEHICULAR TRAFFIC AREAS.
9. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
10. CONTRACTOR SHALL INSTALL WIRING, CIRCUIT BREAKERS AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
11. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
12. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF. ALL RECEPTACLES IN THE KITCHEN AREA SHALL HAVE GROUND FAULT PROTECTION.
13. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 & 250-72.
14. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
15. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
16. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
17. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
18. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

POWER LEGEND

⊖	STANDARD 120V DUPLEX RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)	⊖ WP	WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED @ 30" AFF (UNLESS OTHERWISE NOTED)
◪	FUSED DISCONNECT, FUSE PER MANUFACTURERS RECOMMENDATIONS. INSTALL PHENILOC NAMEPLATE WITH PANEL AND CIRCUIT NUMBER	↗	HOME RUN
▯	NON-FUSED DISCONNECT, FUSE PER MANUFACTURERS RECOMMENDATIONS. INSTALL PHENILOC NAMEPLATE WITH PANEL AND CIRCUIT NUMBER		

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#	DESCRIPTION	DATE

REVISIONS

SEAL:

Not For
Construction

MECHANICAL RENOVATIONS
BOYET JUNIOR
HIGH SCHOOL
59295 Rebel Dr,
Slidell, LA 70461

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JOB No:	2468	DATE:	3-7-2023
DRAWN BY:	CKD	CHECKED BY:	BAM

SHEET TITLE:
ELECTRICAL PLAN

DRAWING NUMBER:
E101

SHEET No: 8 of 9