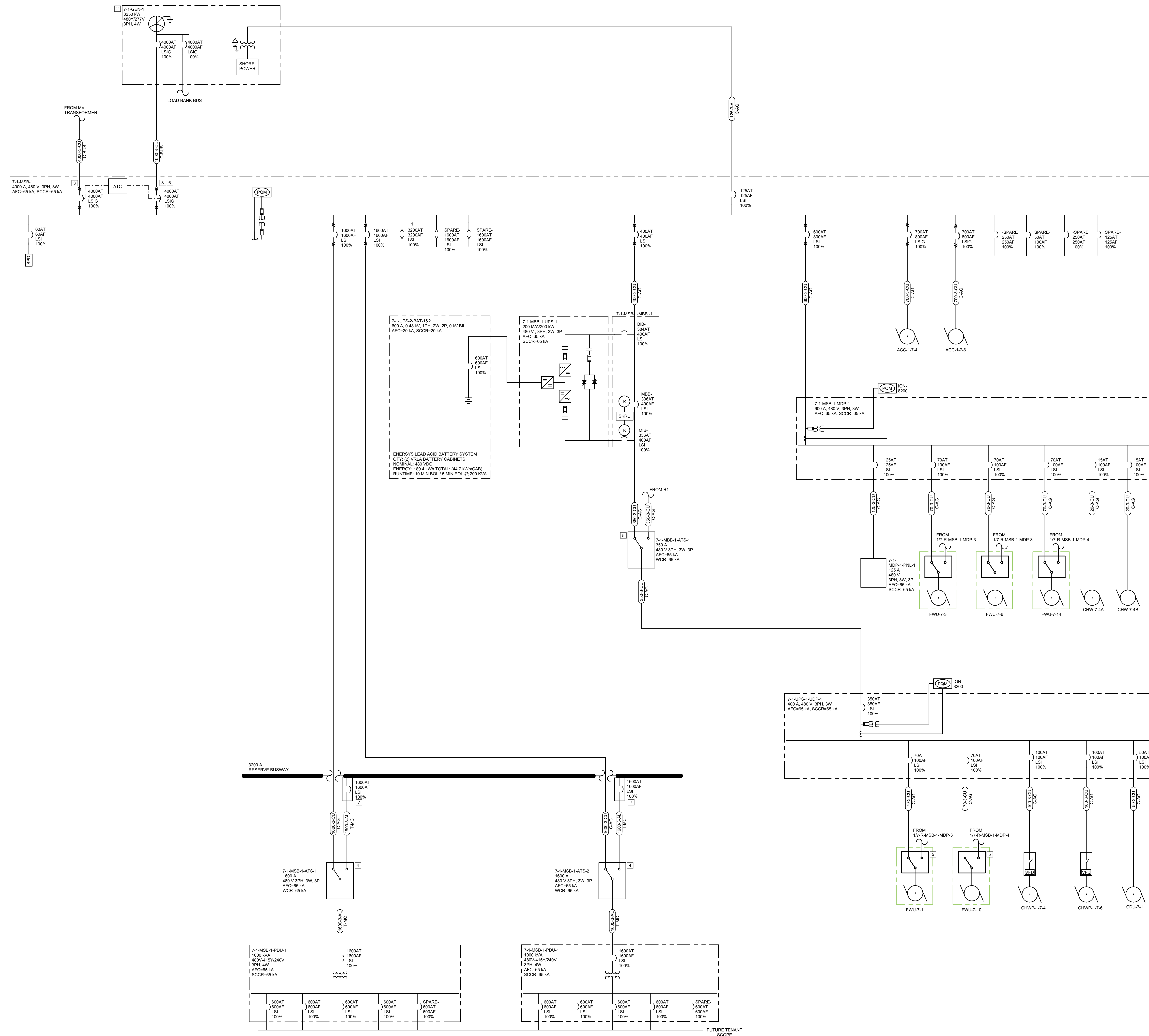




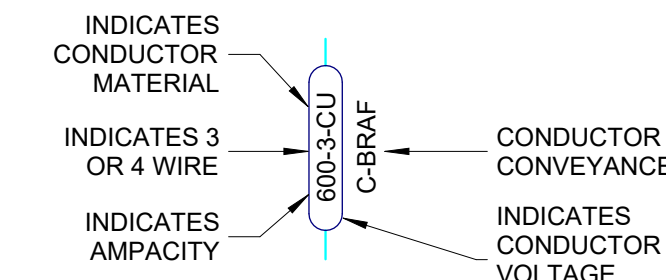
GENERAL NOTES

1. REFER TO E00101 FOR LINE TYPE LEGEND.
2. REFER TO THE E02-00 SERIES DRAWINGS FOR EQUIPMENT LOCATIONS.
3. CIRCUIT BREAKERS ARE 3P, 100% RATED WITH LSI TRIP UNITS AS NOTED OTHERWIS.
4. EQUIPMENT IN PRE-PURCHASE MATRIX IS FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. MATERIALS (CABLE, RACEWAY, ETC.) REQUIRED FOR INSTALLATION OF EQUIPMENT SHALL BE PROVIDED. UNOBTAINED EQUIPMENT IS BY CONTRACTOR UNLESS OTHERWISE NOTED. EQUIPMENT SHALL BE PROVIDED BY THE OWNER AND SPECIFICALLY CALLED OUT AS BEING OWNER FURNISHED. EQUIPMENT SHALL BE INSTALLED AND INSTALLED COMPLETE BY THE CONTRACTOR.
5. THE ROUTING OF THIS CABLE SHALL BE NEAT AND A RECORD SHALL BE PREPARED BY THE OWNER AND ENGINEER DURING FIELDING PERIOD ROUTED FOR APPROVAL PRIOR TO BEGINNING THIS WORK.
6. ENGINEER SHALL PROVIDE ELECTRICAL CONTRACTOR WITH RECORD OF PREVIOUS WORK AND A COMPLETE LIST OF ALL THE CIRCUIT BREAKER TYPES AND PLUGS AND THE PREVIOUS RECORDS OF THE SAME.
7. COORDINATION STUDY: ELECTRICAL CONTRACTOR SHALL PROVIDE COORDINATION STUDY TO THE ENGINEER. VERIFY EACH BREAKER IN SHEET MATCHES WHAT IS VERIFIED. PROVIDE LIST OF DISCREPANCIES, IF ANY, TO THE ENGINEER WITHIN 10 WORKING DAYS OF RECEIPT OF DOCUMENT.
8. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE RECORD OF THE CIRCUIT CONFIGURATIONS AND LENGTHS TO THE ENGINEER FOR THE SHORT CIRCUIT STUDY AND THE SHORT CIRCUIT STUDIES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
9. REFER TO OWNER/FURNISHED EQUIPMENT SCHEDULE AND RECORD OF PREVIOUS WORK FOR EQUIPMENT INFORMATION.
10. SECONDARY TAP CONDUCTORS FOR OUTSIDE TRANSFORMER SHALL BE 500 KCMIL 15KV TYPE 240-2(1C), 2" INSTALLED IN ACCORDANCE WITH 230.6.
11. ALL POWER AND GROUNDING CONNECTIONS SHALL USE NEMCO-HOLE, LONG BARREL COMPRESSION TYPE TERMINALS. LONGER BARREL COMPRESSION TYPE TERMINALS ARE IDENTIFIED MARK LUGS AND BUS WITH THE TERMINAL NUMBER AND THE TERMINAL TYPE. VERIFICATION OF PROPER TORQUE TO INDICATE CORRECT TORQUE TO TORQUE TO INDICATE CORRECT WISHERS, AND BELLEVILLE WASHERS SHALL BE GRADUALLY IN MINIMUM OF 10% INCREASING TORQUE SHOWING AFTER TORQUES IS COMPLETE. SEE DETAIL FOR GROUNDING TERMINATIONS AND POWER TERMINATIONS.
12. ALL CONTROL WIRING TERMINATIONS SHALL USE RING TYPE OR WAGO CONNECTION CONNECTORS. ALL WIRING SHALL BE LABELED.
13. PROVIDE GLAND TYPE CONNECTORS FOR ALL BATTERY CABLES PUNCHING DOWN ON THE TOP OF THE BATTERY AND BATTERY CABINET.
14. RESTRAIN ALL FEEDERS 800A AND ABOVE TO PREVENT CABLE MOVEMENT DURING EXTERNAL PULL CONDITIONS AT ALL SWITCHBOARDS, UPS, BATTERY AND BATTERY CABINET. PROVIDE CABLE TIE DOWN DEVICES VERIFIED ON SITE. CONTRACTOR TO PROVIDE CABLE TIE DOWN LENGTHS. PROVIDE CABLE TIE DOWN STUDY AND ARC FLASH ANALYSIS.

KEYED NOTES

- FUTURE PROVISION FOR MIB BREAKER
- 2 ONLY ON BLOCKS FOR DATAHALLS 1,4,7 AND 10
- 3 BREAKER TOP OR BOTTOM FEED
- 4 FOR ALL ITS SERVING CRITICAL IT LOADS ON EACH 7-TO-MAKE-A-POWER PLANT TRANSFER INHIBIT TRANSFER SHALL BE INHIBITED UNTIL THE ACTIVE TRANSFER OR RETRANSFER IS COMPLETE
- 5 FOR ALL MUPS LOADS ON EACH 7-TO-MAKE-A-POWER PLANT: PROVIDE TRANSFER INHIBIT CONTROLS SO THAT TRANSFER OF ONE MUP TO THE RESERVE BLOCK AT ANY TIME: ADDITIONAL MUPS AS TRANSFERS SHALL BE INHIBITED UNTIL THE ACTIVE TRANSFER OR RETRANSFER IS COMPLETE
- 6 PREPARE SPACE ON ALL BLOCKS: ONLY PROVIDE INDICATORS AT LOSS FOR INDICATED 1 AND 10
- 7 ELECTRICAL CONTRACTOR SHALL PROVIDE (3) FAULT INDICATORS AT LOSS FOR INDICATED 1 AND 10
- 8 INDICATORS SHALL BE COMPATIBLE WITH THE TRANSFER INHIBIT CONTROLS
- 9 TRANSFER INHIBIT CONTROLS SHALL BE COOPER POWER SERIES TYPE 5, I.A.R CURRENT RESET FAULT INDICATOR

FEEDER NAMING SCHEME



<u>MATERIAL LEGEND:</u>	<u>CONVEYANCE LEGEND:</u>
AL ALUMINUM	C-AG ABOVE GRADE CONDUIT
CU COPPER	C-BG BELOW GRADE CONDUIT
	C-BUS CABLEBUS
	T-MC MC CABLE IN TRAY
	T-CT CABLE TRAY WIRE IN TRAY

CLASS/USAGE LEGEND:

[BLANK]	600V, TYP. LV DISTRIBUTION
T	600V, FOR LV XFMR
G	600V, FOR LV GENERATOR
MV	35KV, MV DISTRIBUTION



ISSUES

[illegible]

REVISIONS

[illegible]

kW Mission Critical Engineering
 Contact: David Adams Phone: 703.928.0715
 Engineer: Matthew Fagert
 License #: 123456 Exp. Date: 00/00/0000

NOT FOR CONSTRUCTION

Date: 00/00/0000

SERVERFARM

Clarksville, AR

CRITICAL POWER BLOCK ONE-LINE DIAGRAM 7-1

JOB US0049903.5614
SHEET

E01-07A