

KEY INTERLOCK SCHEME

NORMAL OPERATION:

- BUS-A MAIN CIRCUIT BREAKER IS CLOSED TO SUPPLY LOAD TO BUS-A.
- BUS-B MAIN CIRCUIT BREAKER IS CLOSED TO SUPPLY LOAD TO BUS-B.
- THE TIE CIRCUIT BREAKER IS OPEN.
- KEY "K1" ARE HELD IN INTERLOCKS ON BOTH BUS-A AND BUS-B MAIN CIRCUIT BREAKERS. THE CIRCUIT BREAKER CANNOT BE CLOSED UNLESS EITHER BUS-A OR BUS-B MAIN CIRCUIT BREAKERS ARE LOCKED OPEN.

TRANSFER BUS-B LOAD TO BUS-A

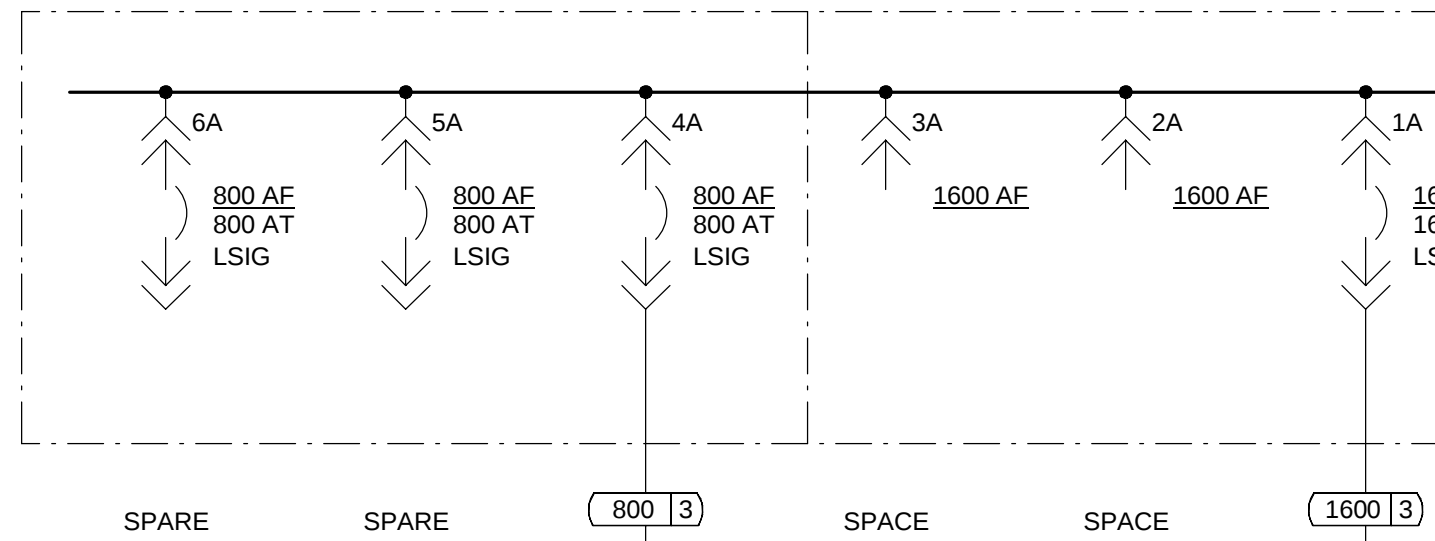
1. OPEN BUS-B MAIN CIRCUIT BREAKER
2. TURN KEY "K1" IN INTERLOCK ON BUS-B MAIN CIRCUIT BREAKER TO LOCK OPEN. THIS KEY IS NOW FREE
3. TURN KEY "K1" IN INTERLOCK ON THE CIRCUIT BREAKER AND TURN TO UNLOCK. KEY "K1" IS NOW HELD.
4. CLOSE THE CIRCUIT BREAKER.

REVERSE SEQUENCE TO RESTORE SERVICE.

TRANSFERING BUS-A LOAD TO BUS-B HAPPENS IN A SIMILAR MANNER

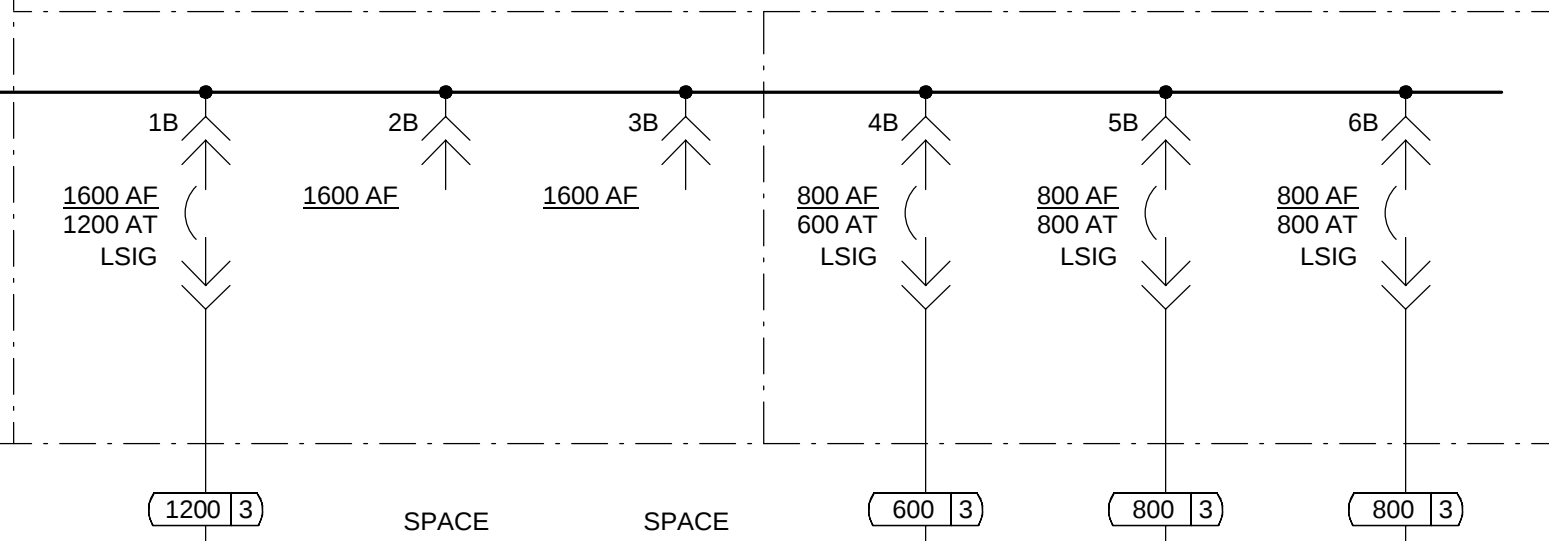
SWITCHGEAR "SWGR-A, BUS-A"

480V, 2500A, 3Ph, 3W, 65kAIC MIN, NEMA 1
(FRONT AND REAR ACCESS), (ROOM 112)



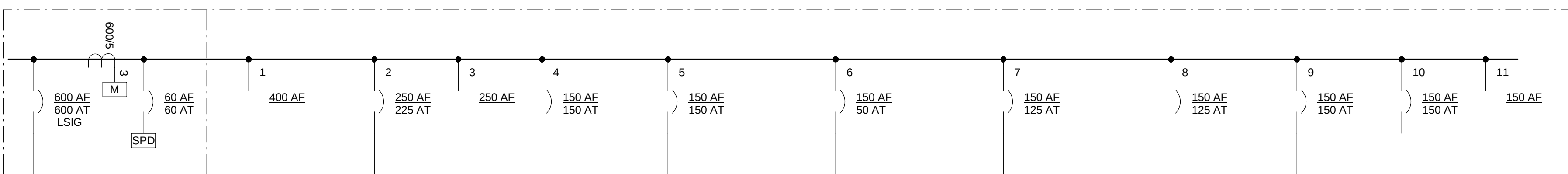
SWITCHGEAR "SWGR-A, BUS-B"

480V, 2500A, 3Ph, 3W, 65kAIC MIN, NEMA 1
(FRONT AND REAR ACCESS), (ROOM 112)



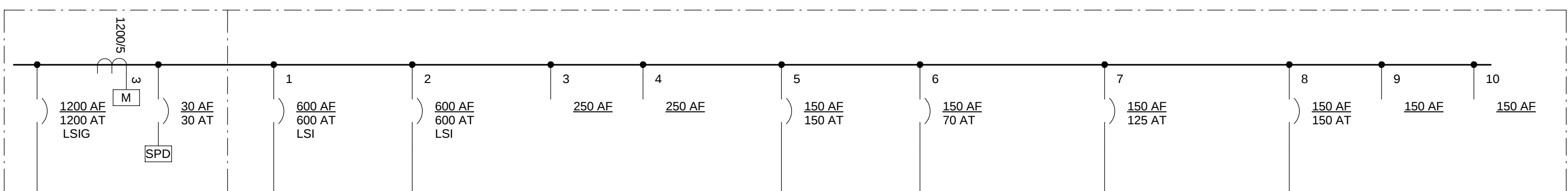
DISTRIBUTION BOARD "DHA-A" (OFFICE + BOILER)

480V, 600A, 3Ph, 3W, 42kAIC MIN, NEMA 1
(ROOM 112)



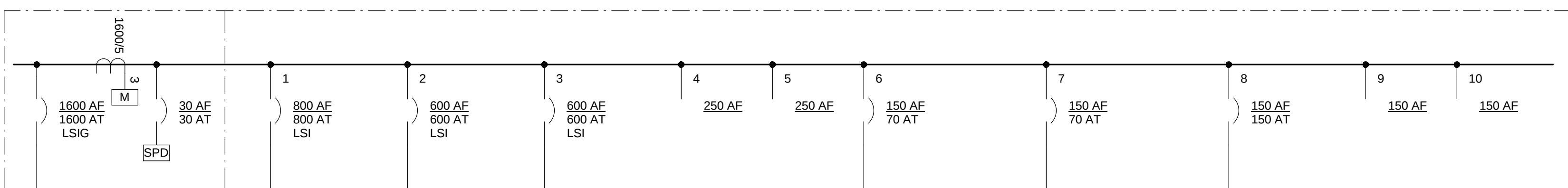
SWITCHBOARD "SWBD-C" (ENERGETIC AREA)

480V, 1200A, 3Ph, 3W, 42kAIC MIN, NEMA :
(ROOM 133)



SWITCHBOARD "SWBD-B" (INERT AREA)

480V, 1600A, 3Ph, 3W, 42kAIC MIN, NEMA 1
(ROOM 121)



GENERAL SHEET NOTES

- A. REFER TO SHEET E-001 FOR ABBREVIATIONS, LEGENDS, AND SYMBOLS.
- B. REFER TO STANDARD DETAILS PACKAGE FOR CONDUCTOR AND RACEWAY SIZING.
- C. DIAGRAMS SHOWN DEPICT INTERCONNECTION OF ELECTRICAL INFRASTRUCTURE.
- D. CIRCUIT BREAKERS 800 AMP AND GREATER ARE 100% RATED.
- E. FOR ALL CIRCUIT BREAKERS RATED 1200 AMPS AND GREATER, PROVIDE BREAKER WITH ENERGY REDUCING MAINTENANCE SWITCH WITH A "NO INTENTIONAL DELAY" LOCAL STATUS INDICATOR, PER NEC 240.87
- F. SERVICE ENTRANCE RATED CIRCUIT BREAKERS 1000 AMPS AND GREATER MUST BE LIGS AND HAVE GROUND FAULT PROTECTION.
- G. ALL ELECTRICAL DISTRIBUTION EQUIPMENT WITH SPACE/SPACE INDICATED MUST BE FULLY BUSSED FOR FUTURE CONNECTION POINTS.
- H. PROVIDE POWER AND DATA AS REQUIRED FOR METERING OF ELECTRICAL EQUIPMENT. ALL ELECTRICAL POWER METERS MUST BE COMPLIANT WITH ASHRAE. ALL POWER METERS MUST THE INTO BAS SYSTEM WITH THE INTENT FOR ENERGY MODELING. COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH MANUFACTURER REQUIREMENTS PRIOR TO COMMENCEMENT OF WORK.



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Entity: Jacobs Engineering Group Inc.
License #: 176
License Exp Date: 12/31/2024
License Type: Engineering

0	09/18/2024	100% ISSUED FOR CONSTRUCTION - EXPANSION				CJA	AM
NO.	DATE	REVISION				BY	APVD
DSGN		DR	CJA	GN	CHK	BM	AM

GMLRS
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

ELECTRICAL ONE-LINE DIAGRAM

SHEET NO.

E-601

SCALE NOT TO SCALE

DATE 09/18/202

PROJ	D375450
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SWG	01/01/2012