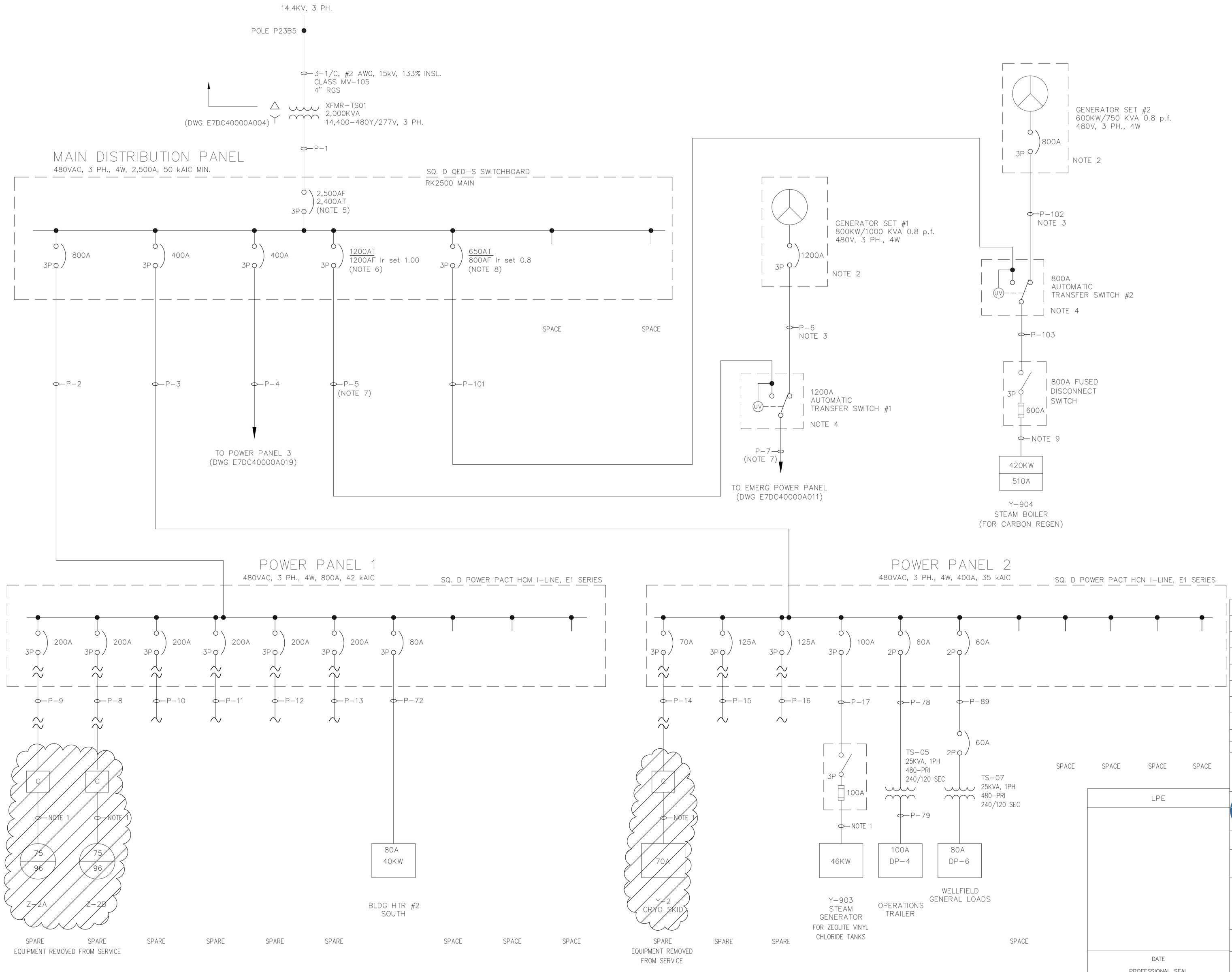

NOTES:

1. CIRCUITS PRE-WIRED BY VENDOR.
2. GENERATOR OUTPUT BREAKER TO BE SIZED BY MANUFACTURER.
3. CABLE TO BE SIZED IN ACCORDANCE WITH GENERATOR BREAKER.
4. AUTOMATIC TRANSFER SWITCH TO BE RATED TO MATCH GENERATOR OUTPUT BREAKER.
5. SET LONG TIME CURRENT TRIP @ .96% Ir.
6. SET LONG TIME CURRENT TRIP @ 1.00% Ir.
7. INCREASE CABLE SIZE OF P-5 & P-7. SEE DWG. E7DC40000A014
8. SET LONG TIME CURRENT TRIP @ 0.8% Ir.
9. MAINTAIN CIRCUIT SIZE & CABLE TYPE FROM DISCONNECT SWITCH TO EQUIPMENT
10. CIRCUIT BREAKERS ARE SQ. D I-LINE POWER PACT FRAME RATINGS:
    - 150 A.F. – HJ
    - 200 A.F. – JJ
    - 400 A.F. – LC
    - 800 A.F. – PJ
    - 1200 A.F. – PJ
    - 2500 A.F. – RK

    (PJ and RK: ELECTRONIC/ADJUSTABLE TRIP MODULE)

REV.	DATE	DESCRIPTION	DRAWN BY	DRAFT CHK	PROJ ENGR	LEAD ENGR	CONF CTRL/ NUCL SFTY	FAC MGR	E&TS MGR
7		ISSUED FOR AS-BUILT							
6	10/26/12	PHASE IIA DESIGN – CERTIFIED FOR CONSTRUCTION	HDH	PH	RCS	RCS	SJD	JRW	RES
5	01/18/12	PHASE IIA DESIGN	HDH	RCS	RCS	KAS	SJD	JRW	RES
4	12/17/10	AS-BUILT – UPDATE	HDH	RCS	RCS	RCS	SBM	MEC	RES

DRAWING REVISIONS

U.S. DEPARTMENT OF ENERGY
PADUCAH, PORTSMOUTH PROJECT OPERATIONS,
PADUCAH GASEOUS DIFFUSION PLANT

LATA Environmental Services of Kentucky, LLC
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC30-10CC40020
Paducah, Kentucky

DOE CONTRACT NO. DE-AC30-10CC40020

PROJECT NAME:
C-400 REMEDIATION DESIGN

TITLE:
GROUNDWATER/VAPOR TREATMENT SYSTEM
ELECTRICAL
TREATMENT SYSTEM ONE LINE DIAGRAM

LPE

DATE

PROFESSIONAL SEAL

CAD FILE NAME	BUILDING	PLANT	CLASS
E7DC40000A010 rev7.dwg	C-400	PGDP	U

SCALE:	DRAWING NUMBER	REV
NONE	E7DC40000A010	7