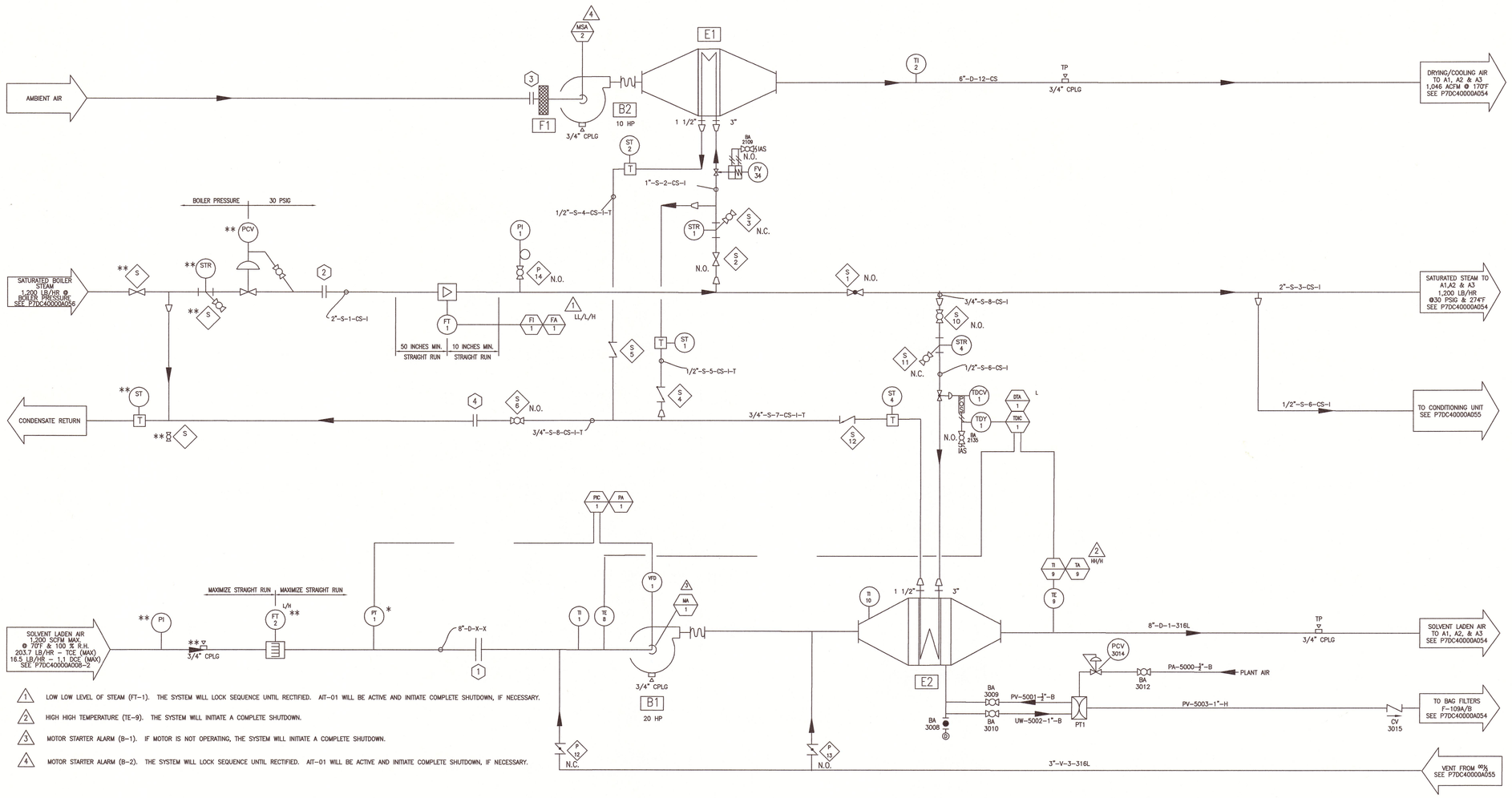
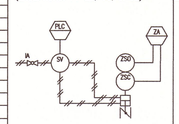


1. LOW LOW LEVEL OF STEAM (FT-1). THE SYSTEM WILL LOCK SEQUENCE UNTIL RECTIFIED. AIT-01 WILL BE ACTIVE AND INITIATE COMPLETE SHUTDOWN, IF NECESSARY.
2. HIGH HIGH TEMPERATURE (TE-9). THE SYSTEM WILL INITIATE A COMPLETE SHUTDOWN.
3. MOTOR STARTER ALARM (B-1). IF MOTOR IS NOT OPERATING, THE SYSTEM WILL INITIATE A COMPLETE SHUTDOWN.
4. MOTOR STARTER ALARM (B-2). THE SYSTEM WILL LOCK SEQUENCE UNTIL RECTIFIED. AIT-01 WILL BE ACTIVE AND INITIATE COMPLETE SHUTDOWN, IF NECESSARY.

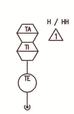
CLIENT PICK UP POINTS ⬡		EQUIPMENT LIST		EQUIPMENT LIST	
1	SLA INLET	A1,A2,A3	ADSORBERS	F1	DRYING/COOLING AIR FILTER
2	STEAM SUPPLY	B1	PROCESS BLOWER	F2	PROCESS FILTER
3	AMBIENT AIR	B2	DRYING/COOLING BLOWER	F3	DEMISTER
4	STEAM CONDENSATE RETURN	E1	DRYING/COOLING AIR HEATER	P1	CONDENSATE TRANSFER PUMP
5	TO ATMOSPHERE	E2	SLA HEATING COIL	P2	WASTEWATER TRANSFER PUMP
6	COMPRESSED AIR SUPPLY	E3	DRYING AIR OUTLET COOLING COIL	P3	SOLVENT TRANSFER PUMP
7	WASTEWATER DISCHARGE	E4	DRYING AIR OUTLET HEATING COIL		
8	RECOVERED SOLVENT	E5	PROCESS CONDENSER		
9	COOLING WATER RETURN	E6	VENT CONDENSER		
10	COOLING WATER SUPPLY	T1	CONDENSATE TRANSFER TANK		
11	EMERGENCY DRAIN	T2	DECANTER		
12	PLANT AIR SUPPLY				

TYPICAL "FV" ARRANGEMENT

(EXCEPTIONS: FV-22, 30, & 32)



TYPICAL ADSORBER "TE" ARRANGEMENT



TE – RTDs

NOTES

1. —— – – – – PIPING / DUCTWORK SUPPLIED BY OWNER.
2. * DENOTES EQUIPMENT SUPPLIED BY FUSION AND INSTALLED BY OWNER IN OWNER SUPPLIED DUCTWORK / PIPING.
3. ** DENOTES EQUIPMENT SUPPLIED AND INSTALLED BY OWNER
4. "TP" DENOTES TEST POINT.

REFERENCE DRAWINGS	DRAWING NO.

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SECTION NUMBER OR DETAIL LETTER

DRAWING ON WHICH SECTION OR DETAIL IS TAKEN

DRAWING ON WHICH SECTION OR DETAIL IS SHOWN

SECTION AND DETAIL KEY

LPE

__/__/__

DATE

PROFESSIONAL SEAL

REV.	DATE	DESCRIPTION	DRAWN BY	DRAFT CHK	PROJ ENGR	LEAD ENGR	CONF. CTRL/ NUCL SFTY	FAC MGR	E&TS MGR
1	5-22-14	ISSUED FOR AS-BUILT, PHASE 2A	KTW	NJB	DJH	JTP	SJD	JRW	PAC
0	6-26-13	ISSUED FOR AS-BUILT ASSIGNED LATA DRAWING NUMBER	KTW	NJB	DJH	JTP	SJD	JRW	PAC
F	11/15/12	FUSION ENVIRONMENTAL DRAWING PJ-2025-FD-001/1	MGG	PK	–	–	–	–	–

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

FUSION ENVIRONMENTAL

DOE CONTRACT NO. DE-AC30-10CC40020

PROJECT NAME:
C-400 REMEDIATION DESIGN

TITLE:
FLOW DIAGRAM
PRECONDITIONING UNIT
SHEET 1

EDCS CAD FILENAME	BUILDING	PLANT	CLASS
P7DC40000A053 rev1.dwg	C-400	PGDP	U

SCALE:	TYPE	DRAWING NUMBER	REV
N.T.S.	D	P7DC40000A053	1