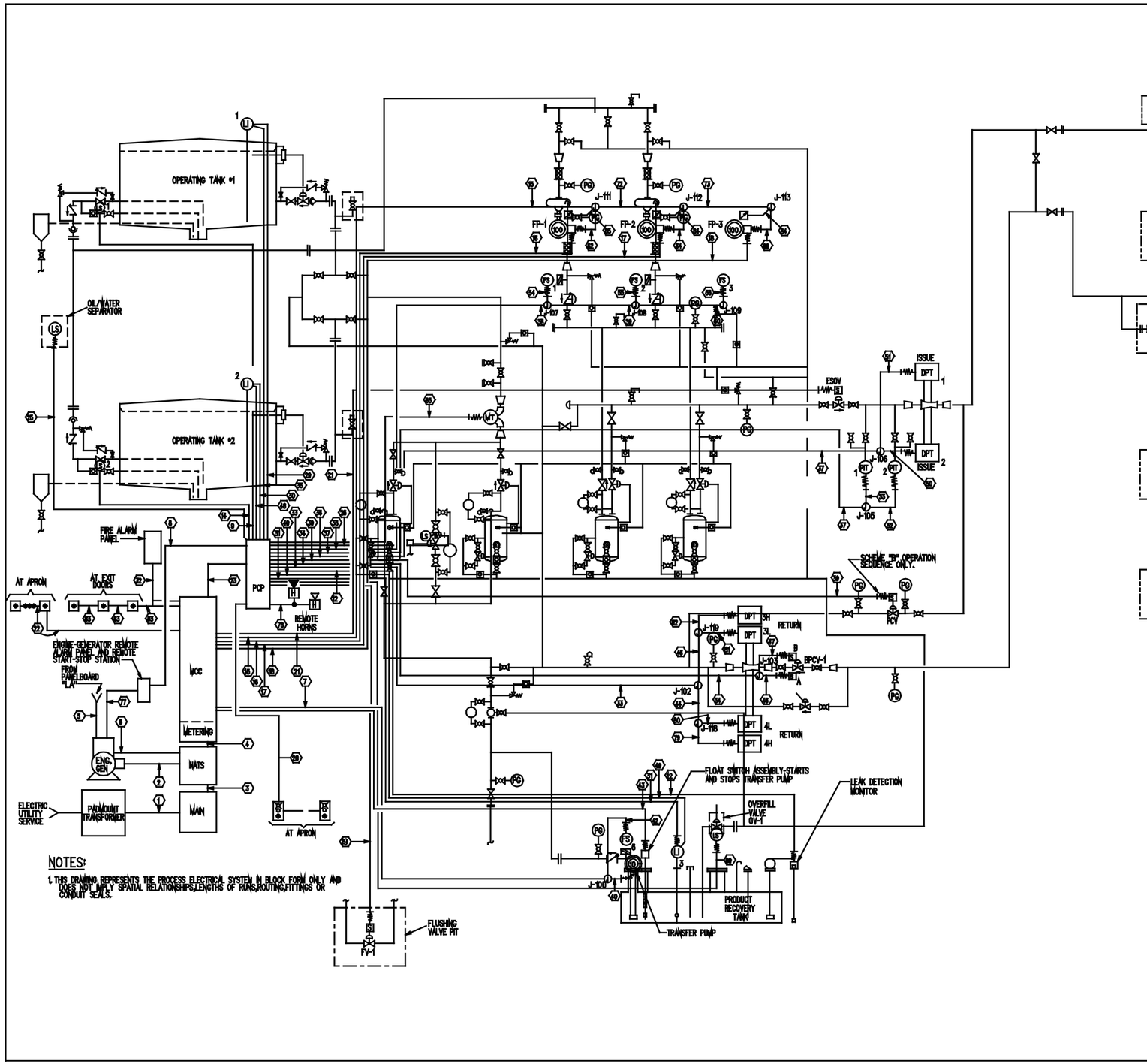

NOTES:

1. THIS DRAWING REPRESENTS THE PROCESS ELECTRICAL SYSTEM IN BLOCK FORM ONLY AND DOES NOT IMPLY SPATIAL RELATIONSHIPS,LENGTHS OF RUNS,ROUTING,FITTINGS OR CONDUIT SEALS.

ELECTRICAL CONDUIT AND FEEDER SCHEDULE

CONDUIT	FROM	TO	SIZE	CONDUCTOR DESCRIPTION-QUANTITY AND SIZE
1	PADMOUNT TRANSFORMER	MAIN	3"	3-500 MCM & 1#3/0 GND.
2	ENG.GEN	WATS	3"	3-500 MCM & 1#3/0 GND.
3	MAIN	WATS	3"	3-500 MCM & 1#3/0 GND.
4	WATS	MCC	3"	3-500 MCM & 1#3/0 GND.
5	PBRD "LA"	ENG. GEN	3/4"	2#8 & 1#12 GND.
6	ENG.GEN.	WATS	1"	4#12
7	MCC	J-100	1"	8#12s 1#12 GND.
8	PCP	ENG.GEN.REM.ALARM PNL.	1"	2#12
9	LS-1	PCP	3/4"	4#12
10				
11				
12	PCP	LEAK DETECTOR	3/4"	4#12s 1#12 GND.
13				
14	LS-2	PCP	3/4"	4#12
15	MCC	J-111	1"	3#12
16	MCC	PUMP FP-1	2"	3#2/0,2#12 1#12 GND.
17	MCC	PUMP FP-2	2"	3#2/0,2#12 1#12 GND.
18	MCC	PUMP FP-3(OPTIONAL)	2"	3#2/0,2#12 1#12 GND.
19	PCP	FLUSHING VALVE FV-1		2#12 (SITE SPECIFIC CONDUIT)
20	APRON PUSHBUTTONS	MCC		2#12 (SITE SPECIFIC CONDUIT)
21	MCC	ESOV SOLENOID	3/4"	2#12
22	E-STOP PUSHBUTTONS	MCC		2#12 (SITE SPECIFIC CONDUIT)
23	MCC	PCP	1 1/2"	38#12
24				
25	PCP	OIL/WATER SEPARATOR	3/4"	2#12
26	PCP	BPV-1 LIMIT SWITCH	3/4"	4#12
27				
28				
29	PCP	LI-1	3/4"	2/C #4 SHIELDED CABLE
30	PCP	LI-2	3/4"	2/C #4 SHIELDED CABLE
31	PCP	LI-3	3/4"	2/C #4 SHIELDED CABLE
32	FIRE ALARM PANEL	MCC	3/4"	2#12 (SERIES CIRCUIT W/E-STOP)
33	PCP	J-102	1"	4 EA.2/C #4 CABLE
34	PCP	J-103	3/4"	4#12
35	PCP	LI-1	3/4"	2#12AW*12 GND.(120 VAC POWER-CIRCUIT LA-10)
36	PCP	J-108	1"	2 EA.2/C #4 CABLE
37	PCP	J-105	3/4"	2 EA.2/C #4 CABLE
38	PCP	J-107	1"	12#14
39	PCP	PCV-1 SOLENOID	3/4"	2#12
40	J-100	FUEL XFER PUMP (FTP-0	3/4"	7#12 & 1#12 GND.
41				
42	J-100	FS-6	3/4"	2#12
43	MCC	FLOAT SWITCH ASSEMBLY	3/4"	8#12
44	J-102	J-118	3/4"	2 EA.2/C #4 CABLE
45	J-102	J-119	3/4"	2 EA.2/C #4 CABLE
46	J-103	BPCV-1 SOLENOID A	3/4"	2#12
47	J-103	BPCV-1 SOLENOID B	3/4"	2#12
48	PCP	LI-2	3/4"	2#12AW*12 GND.(120 VAC POWER-CIRCUIT LA-10)
49	PCP	LI-3	3/4"	2#12AW*12 GND.(120 VAC POWER-CIRCUIT LA-12)
50	J-106	DPT 2	3/4"	2/C #4 CABLE
51	J-106	DPT 1	3/4"	2/C #4 CABLE
52	J-105	PIT 2	3/4"	2/C #4 CABLE
53	J-105	PIT 1	3/4"	2/C #4 CABLE
54	J-107	FS-1	3/4"	4#14
55	J-108	FS-2	3/4"	4#14
56	J-109	FS-3 (OPTIONAL)	3/4"	4#14
57				
58				
59	J-107	J-108	3/4"	8#14
60	J-108	J-109	3/4"	4#14
61				
62	J-111	HT-PUMP FP-1	3/4"	2#12
63	E-STOP PUSHBUTTONS	MCC	3/4"	2#12
64	J-112	HT-PUMP FP-2	3/4"	2#12
65	METER TRANSMITTER	PCP	3/4"	2#12 & 2/C #14 SHIELDED CABLE
66	J-113	HT-PUMP FP-3 (OPTIONAL)	3/4"	2#12
67				
68				
69	PCP	OVER FILL VALVE LIMIT SW	3/4"	4#12
70				
71				
72	J-111	J-112	3/4"	6#12
73	J-112	J-113	3/4"	3#12
74				
75				
76				
77	J-112	REMOTE ALARM PANEL	3/4"	15#14
78	PCP	REMOTE HORNS	1"	4#14
79	J-118	DPT 4H	3/4"	2/C #14 CABLE
80	J-118	DPT 4L	3/4"	2/C #14 CABLE
81	J-119	DPT 3L	3/4"	2/C #14 CABLE
82	J-119	DPT 3H	3/4"	2/C #14 CABLE
83	PUMP FP-3 LOC.SEL.SW.	J-113	3/4"	2#12
84	PUMP FP-2 LOC.SEL.SW.	J-112	3/4"	2#12
85	PUMP FP-1 LOC.SEL.SW.	J-111	3/4"	2#12
			3/4"	2/C #14 CABLE

REVISION	DESCRIPTION	DATE	APPROVED

SUPERSEDES PREVIOUS EDITIONS OF THIS DRAWING

Robert and Company
Architects-Engineers-Planners
60 Hunter Street, N.W. Atlanta, Georgia 30303

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SUBMITTED BY: DATE: 12-2-80
EIC:
BR.HD.:
FTE:
APPROVED: DATE: 1/8/81
EFD FOR COMMANDER WWFAC

DEPARTMENT OF THE AIR FORCE
WARNER ROBINS AIR FORCE BASE
WARNER ROBINS, GEORGIA

ACCEPTED: DATE: 1-22-81
USAF FUEL FACILITIES ENGINEER

APPROVED FOR CHIEF OF STAFF, U.S. AIR FORCE

CHIEF, ENGINEERING DIVISION
DATED: 1-22-81

AIR FORCE STANDARDS
AIRCRAFT DIRECT FUELING SYSTEM
TYPE IV

PROCESS INSTRUMENTATION DIAGRAM - CONDUIT SCHEDULE
UNVERIFIED DRAFT

SCALE: NO SCALE
SPEC. NO. 78-24-29-88-AF
SHEET 22
DRAWING NO. AF 78-24-29