
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL WISE COUNTY WATER SUPPLY

Cox Research and Technology, Inc.
14697 S. Harrells Ferry Road
Baton Rouge, LA. 70816
(225) 756-3271 Fax (225) 755-1030

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	6.2 HP	
FLA	8.55	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	ABS	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	S.S.	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	FLOATS	(FLOATS, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X ABS	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	X	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER	X	
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS	X	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED	X	
POLE, BOX, SEAL	X POLE MT. BRACKET	
INTRINSICALLY SAFE RELAYS	X	
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: CF ENGINEERED EQUIPMENT
TAG : WISE COUNTY WATER SUPPLY

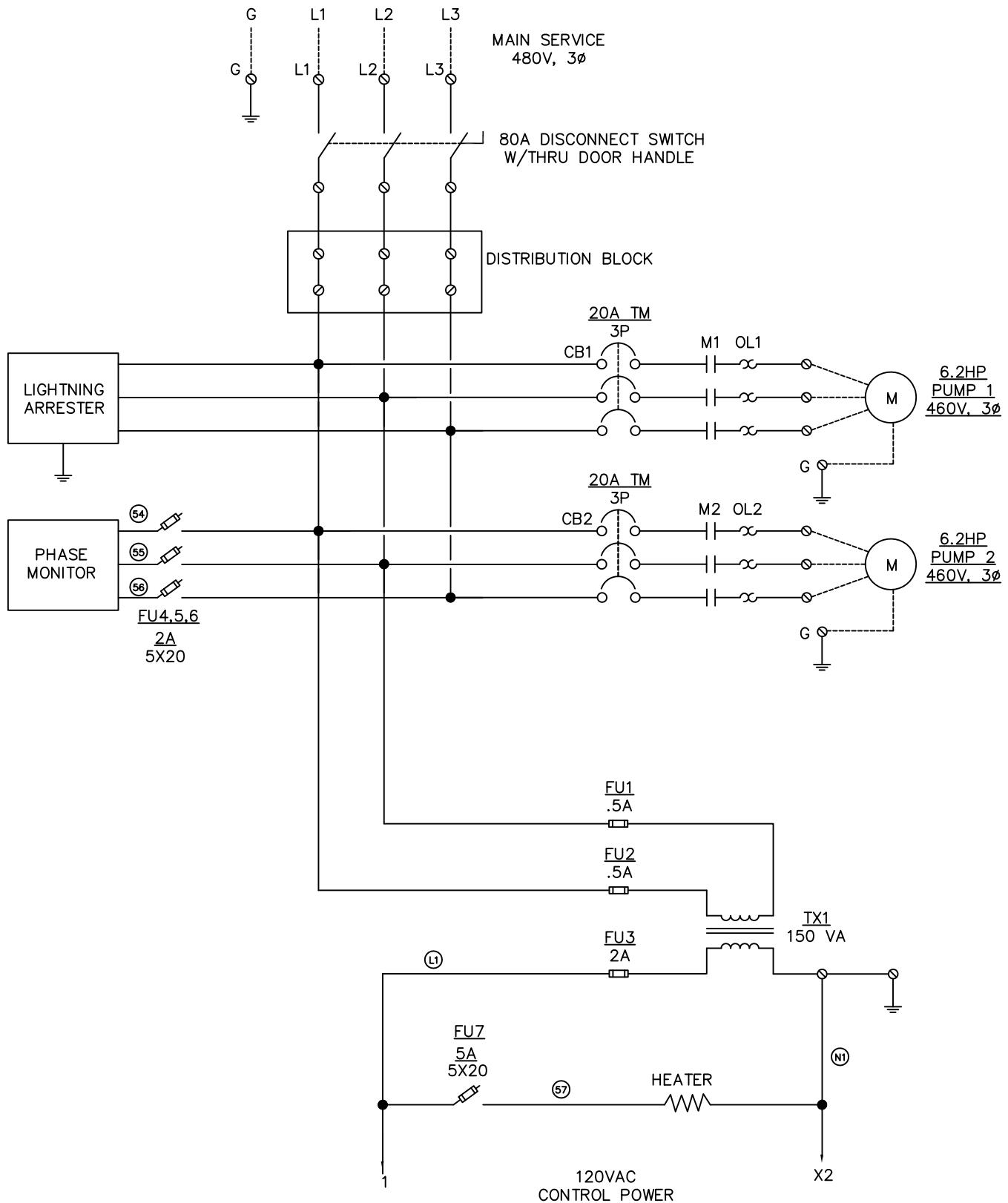
SHIP TO: DALLAS, TX

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO. R.C.	REVISION-LOCATION		ECN	DATE BY
		S/N	Sales Engineer C.C.		Application Engineer R.C.	DRAWN BY CTR		
DATE 12/18/02	Project Title DUPLEX PUMP CONTROL PANEL							

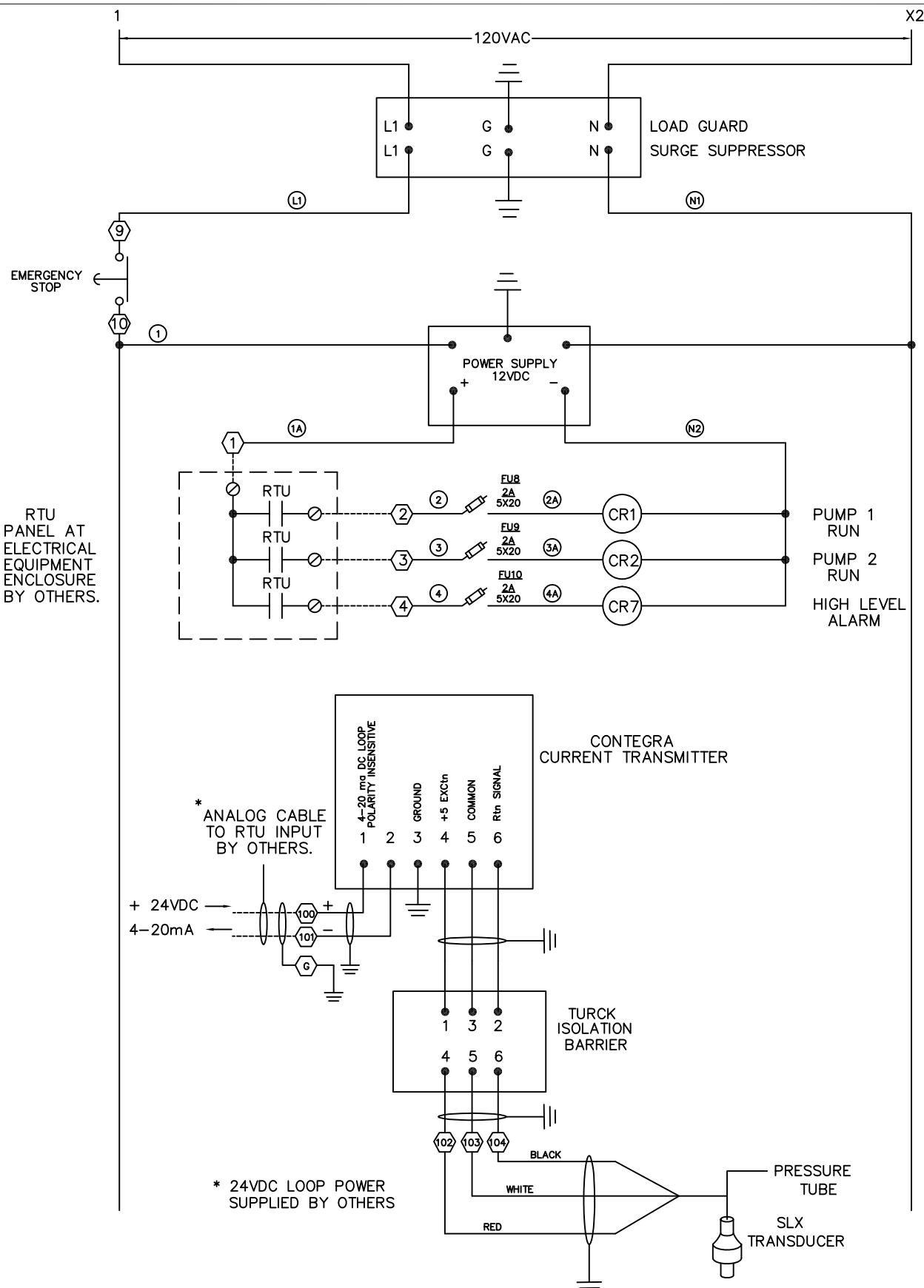
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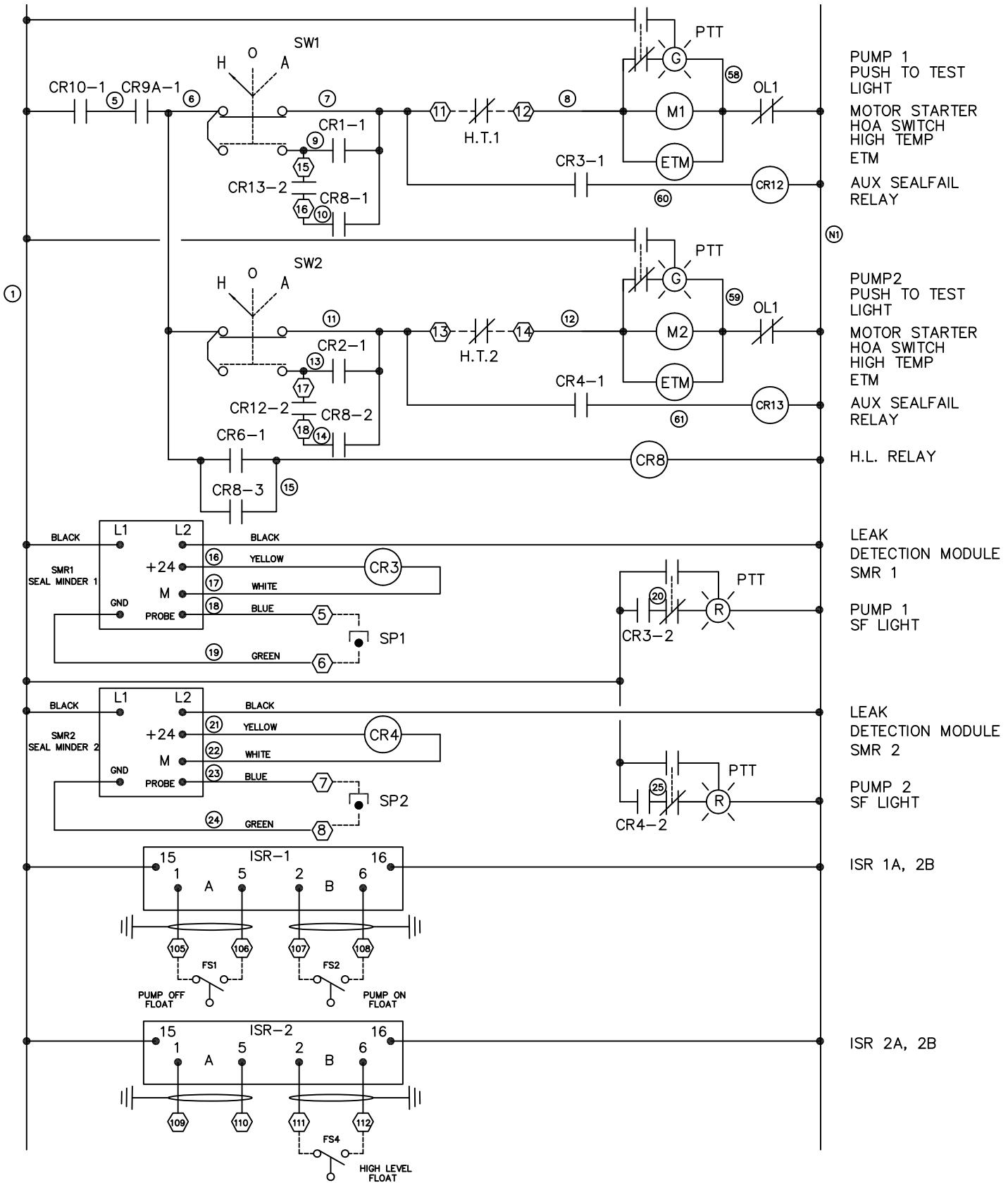
PURCHASE ORDER NUMBER
DRAWING NUMBER CP-1509
SHEET NUMBER 1



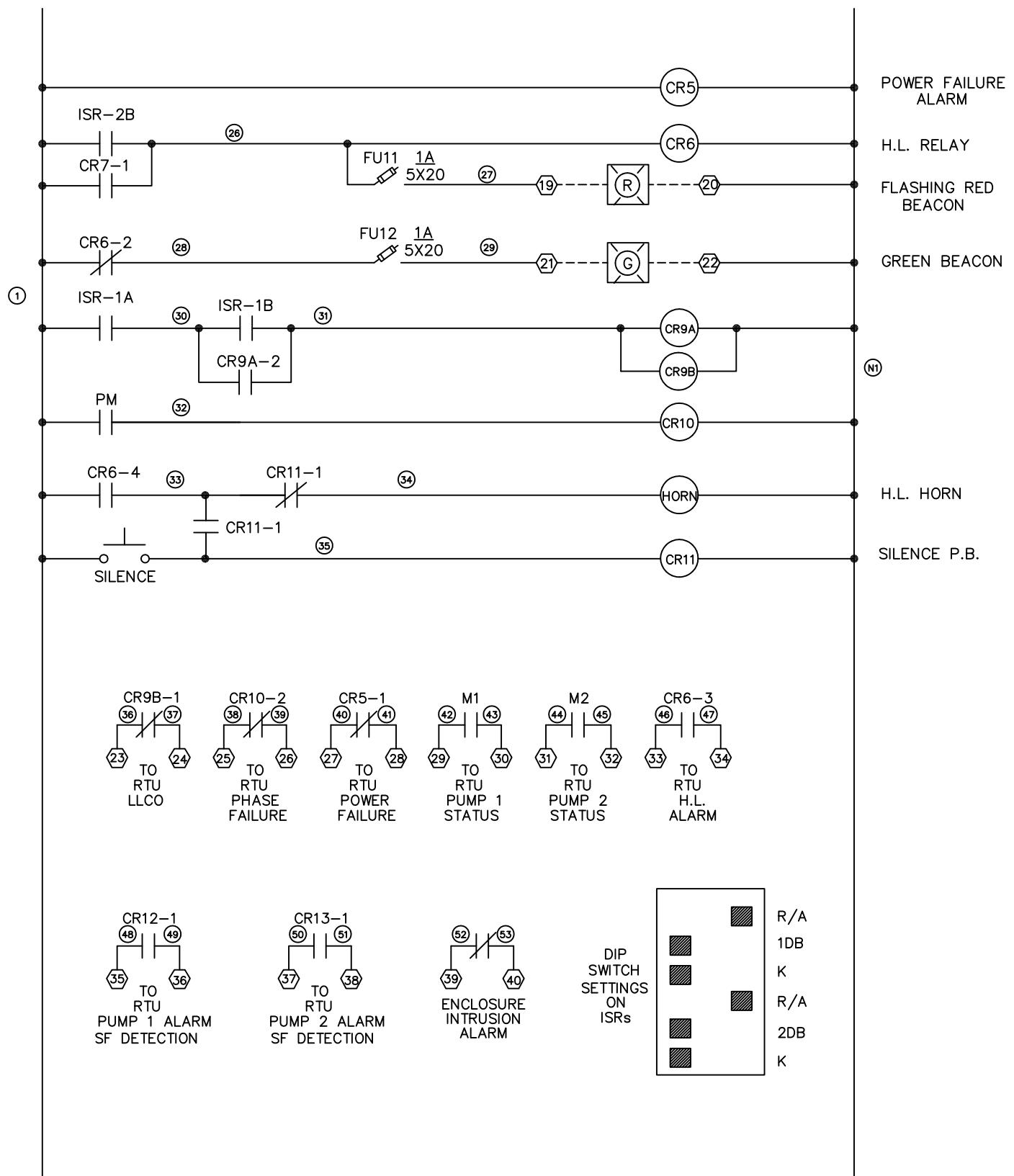
	Drawing Title POWER DIAGRAM					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE
DATE 12/18/02						
	Project Title DUPLEX PUMP CONTROL PANEL		COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1509 SHEET NUMBER 2	



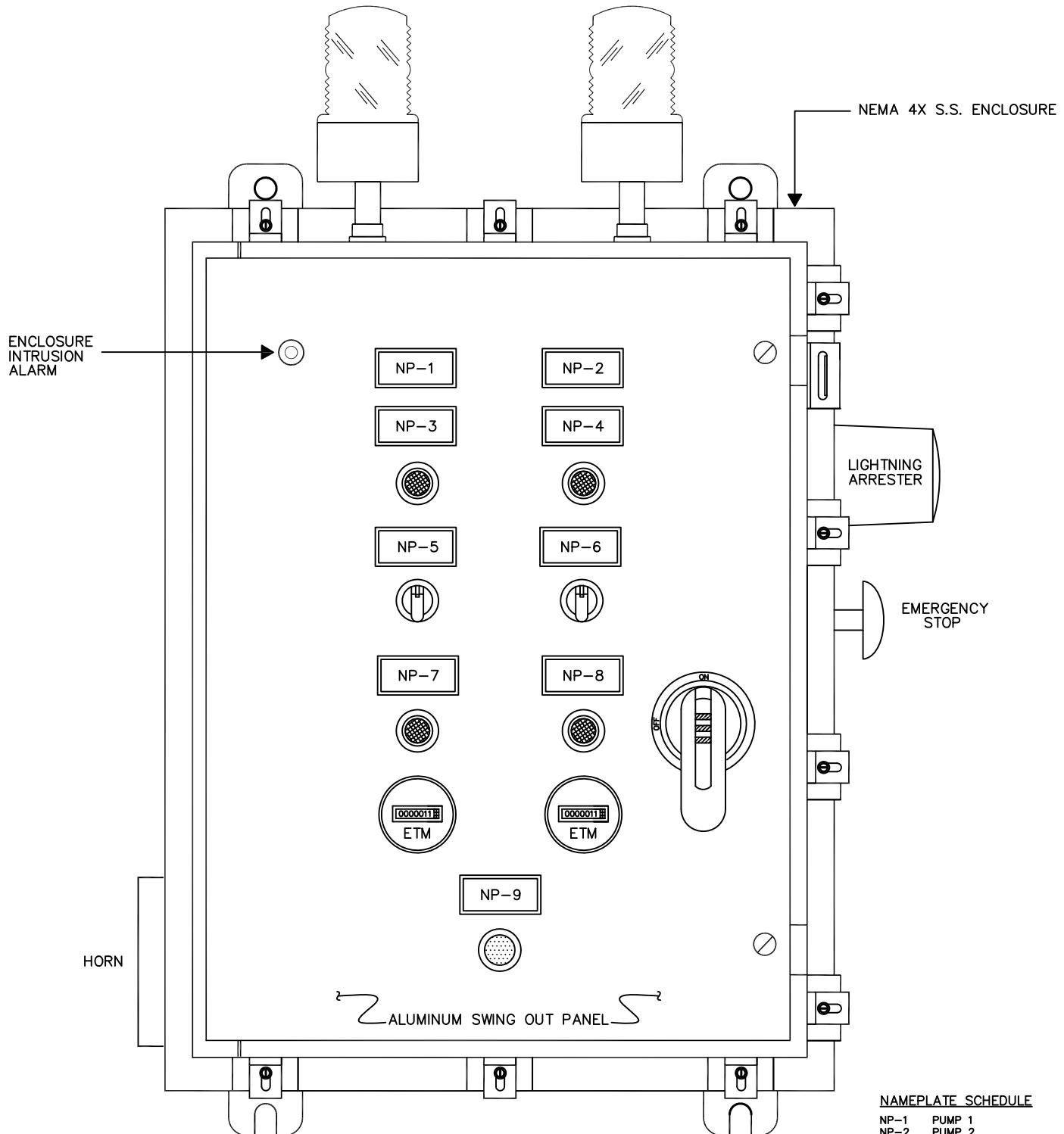
	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY CTR	ECN APPROVED BY DATE
DATE 12/18/02		Application Engineer R.C.			
	Project Title DUPLEX PUMP CONTROL PANEL		COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1509 SHEET NUMBER 3



Drawing Title									
CONTROL DIAGRAM		REFERENCE DRAWING		REVISION-LOCATION		ECN	DATE	BY	
		S/N	Sales Engineer C.C.	NO. Application Engineer R.C.	DRAWN BY CTR	APPROVED BY DATE			
DATE 12/18/02	Project Title								
DUPLEX PUMP CONTROL PANEL		COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER			
		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER		CP-1509	
				SHEET NUMBER		4			



	Drawing Title CONTROL DIAGRAM DATE 12/18/02						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED	
				BY CTR	BY	DATE	
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> COX Research and Technology, Inc. <hr/>	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1509			
				SHEET NUMBER 5			



NOTE:
SEWER GASES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASES.

	Drawing Title					
	ENCLOSURE					
DATE 12/18/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE	BY
	Sales Engineer	Application Engineer R.C.				
	DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER SHEET NUMBER	CP-1509	6

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S302412N4X	ENCLOSURE
1a	1	EBE	A3024P	BACKPLATE
1b	1	EBE	A3024SP	DEAD FRONT
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A26N1-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU11	O.L. RELAY (7.5-11A)
5	2	ABB	S1N020TL	CB1, CB2
6	2	A-B	800H-PRB16G	GREEN PILOT LIGHT PTT
7	2	A-B	800H-JR2A	HOA SWITCH
8	1	SQUARE D	9070TF150D1	TRANSFORMER
9	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
10	2	ABS	61240170	SEAL FAIL RELAY
11	2	TURCK	MK1322EXOR/115VAC	ISR
12	2	A-B	800H-PRB16R	RED PILOT LIGHT PTT
13	3	OMRON	G2R2SDC12	CR1,2,7
14	2	OMRON	G2R2SDC24	CR3,4
15	2	OMRON	MY41NAC120	CR 6,8
16	6	OMRON	G2R2SAC120	CR 5,9,10,11,12,13
17	1	CURRENT TECHNOLOGY	LOAD GUARD	SURGE SUPPRESSOR
18	1	CONTEGRA	T420	CURRENT TRANSFORMER
19	1	CONTEGRA	SLX 220-15-30-18-B	TRANSDUCER
20	1	TURCK	MZ60A1	ISOLATION BARRIER
21	1	INGRAM	PSD 05-12	12VDC POWER SUPPLY
22	1	CH	CHS A03	LIGHTNING ARRESTER
23	1	EDWARDS	870PN5	HORN
24	1	A-B	800H-AR2D1	P.B.
25	1	FEDERAL SIGNAL	LP3P 120 R	RED BEACON
26	1	FEDERAL SIGNAL	LP3P 120 G	GREEN BEACON
27	1	TEEL	1D008	30W CONDENSATION HEATER
28	1	ABB	OHB65J5	DISCONNECT HANDLE
29	1	ABB	OXP5X265	DISCONNECT SHAFT
30	1	SSAC	PLMU11	PHASE MONITOR
31	1	C-H	10250	EMERGENCY STOP

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						DRAWING NUMBER		CP-1509
						SHEET NUMBER		7

