
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

CP-1509


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		

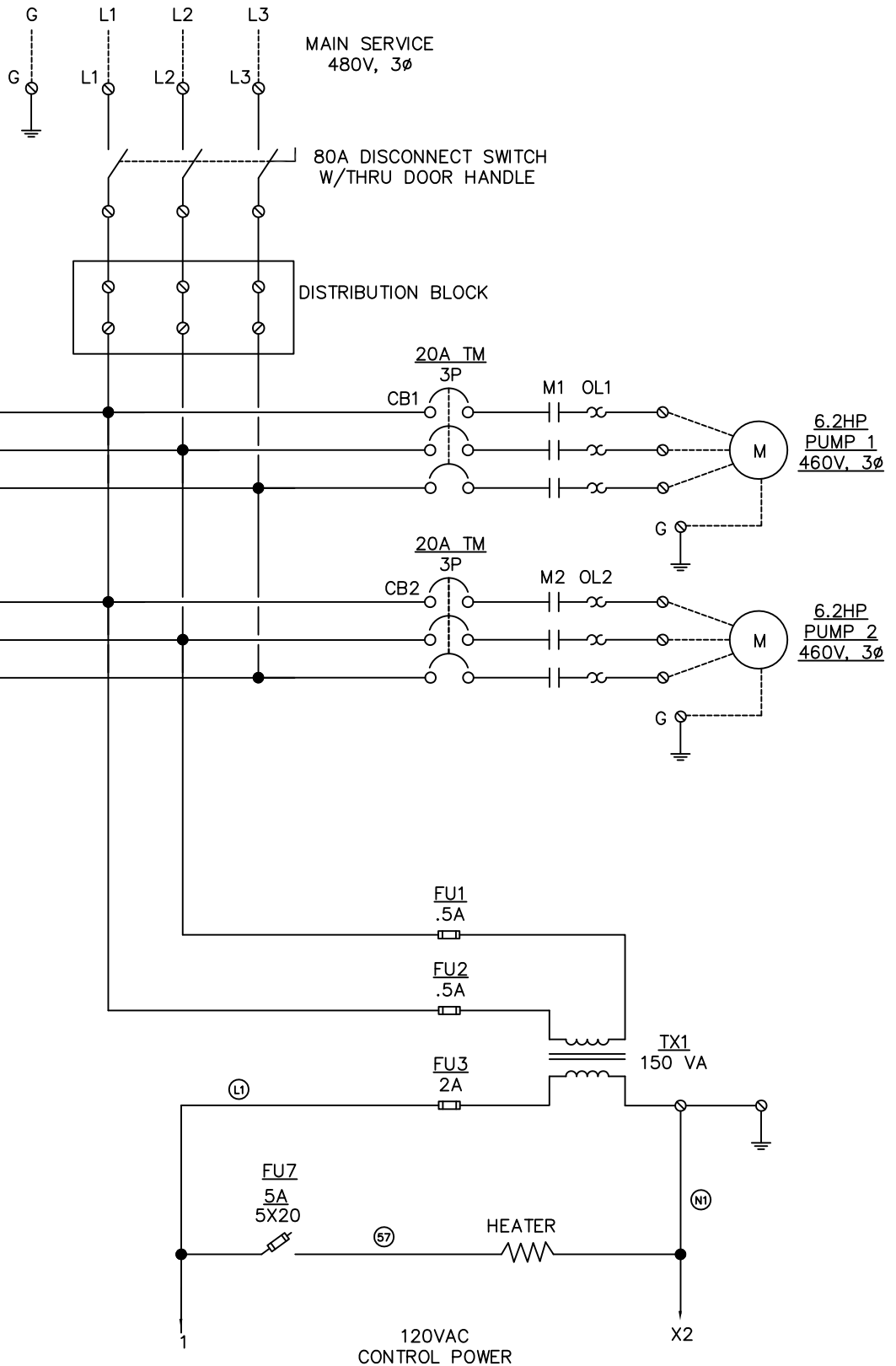
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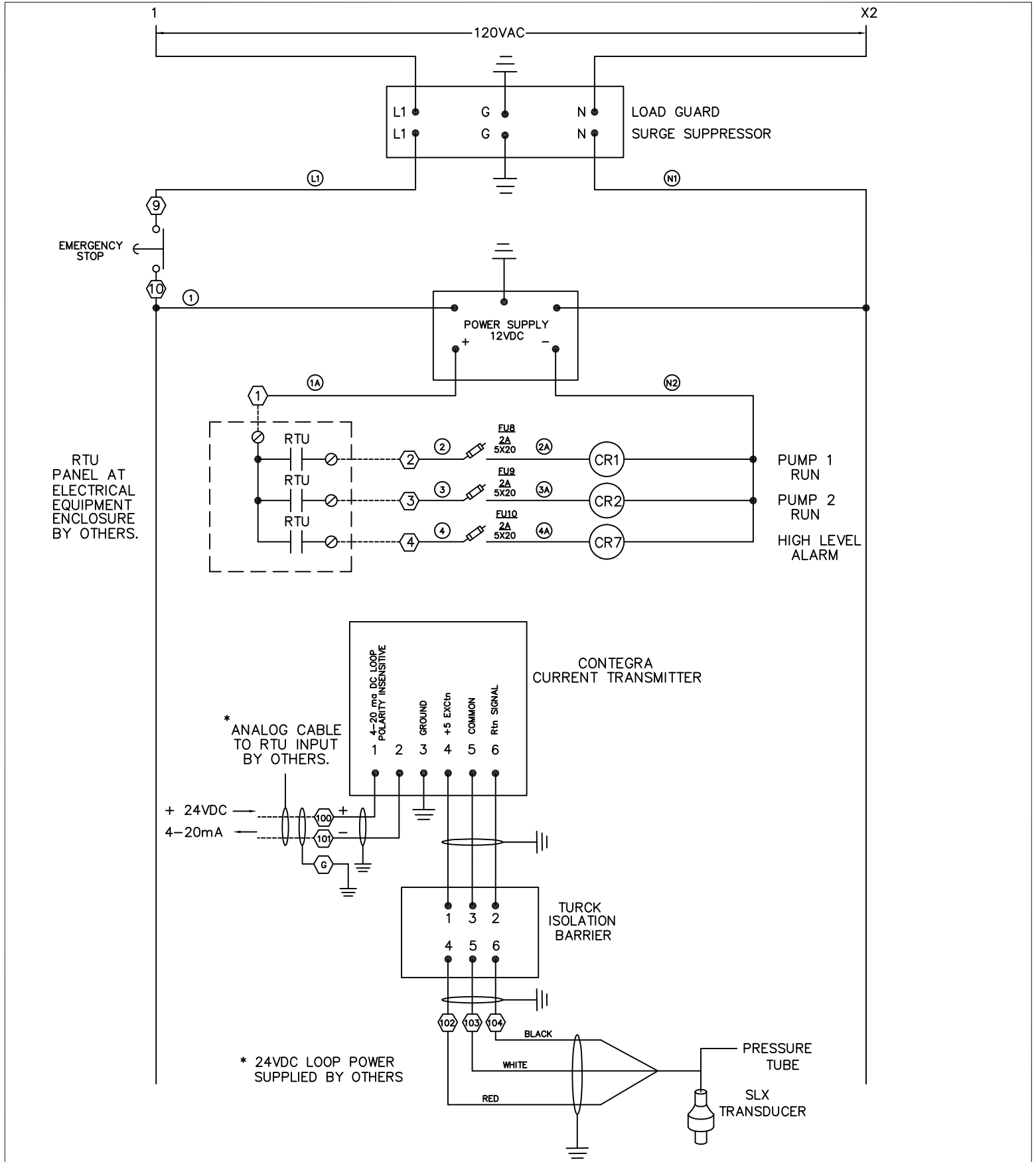
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X ABS	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	X	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER	X	
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE 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							
DATE 12/18/02			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE
	Project Title	<div style="text-align: center;">  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1509	
							SHEET NUMBER 1	

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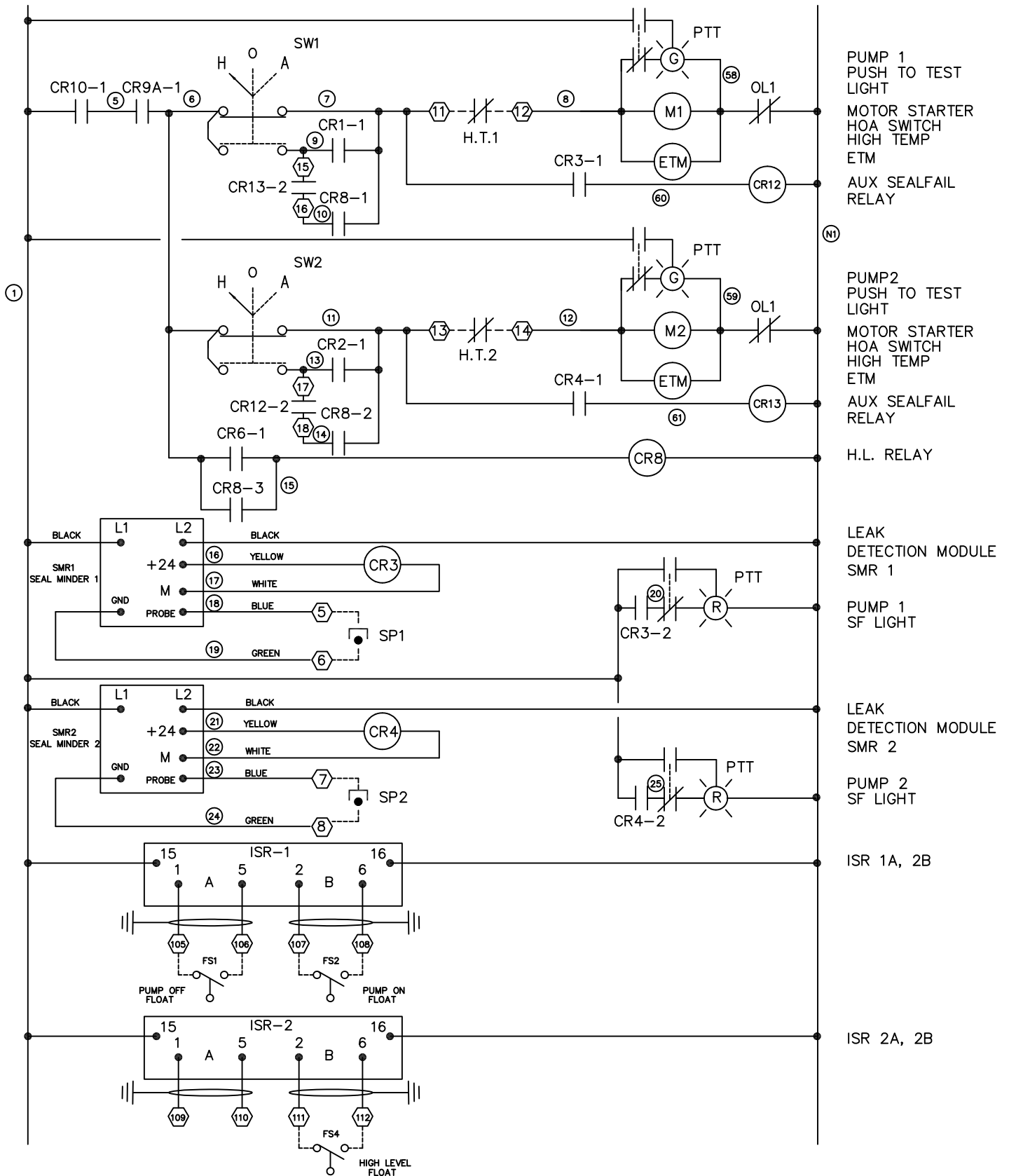
	Drawing Title								
	CONTROL DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
12/18/02		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	BY	CTR	DATE	
	Project Title							PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER	CP-1509
								SHEET NUMBER	3

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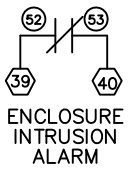
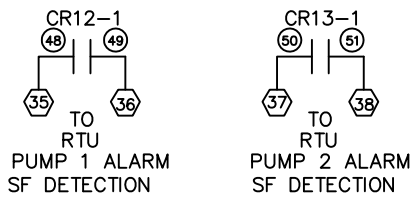
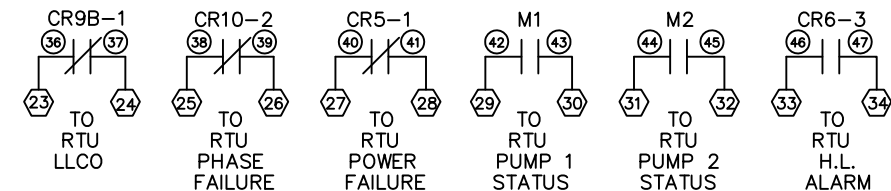
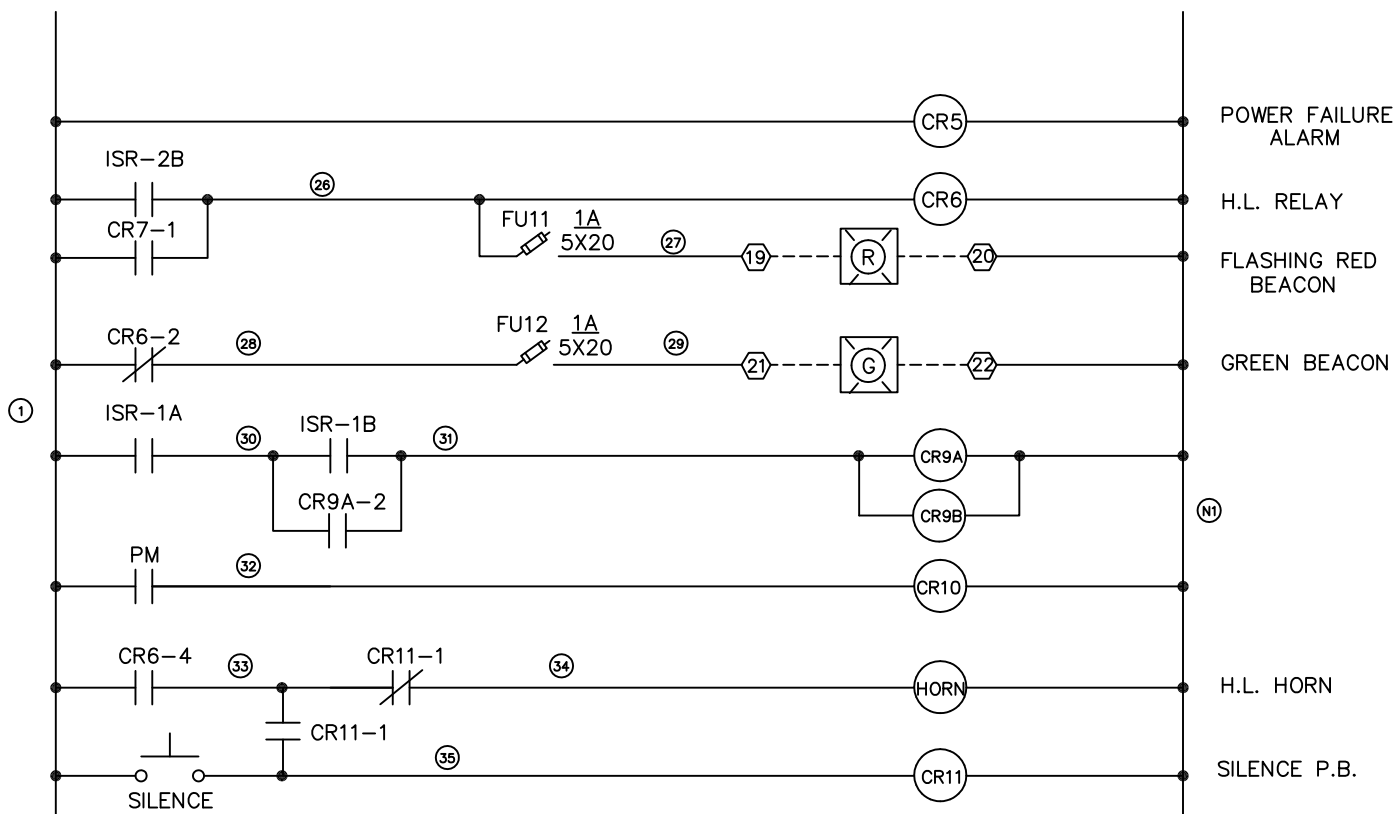
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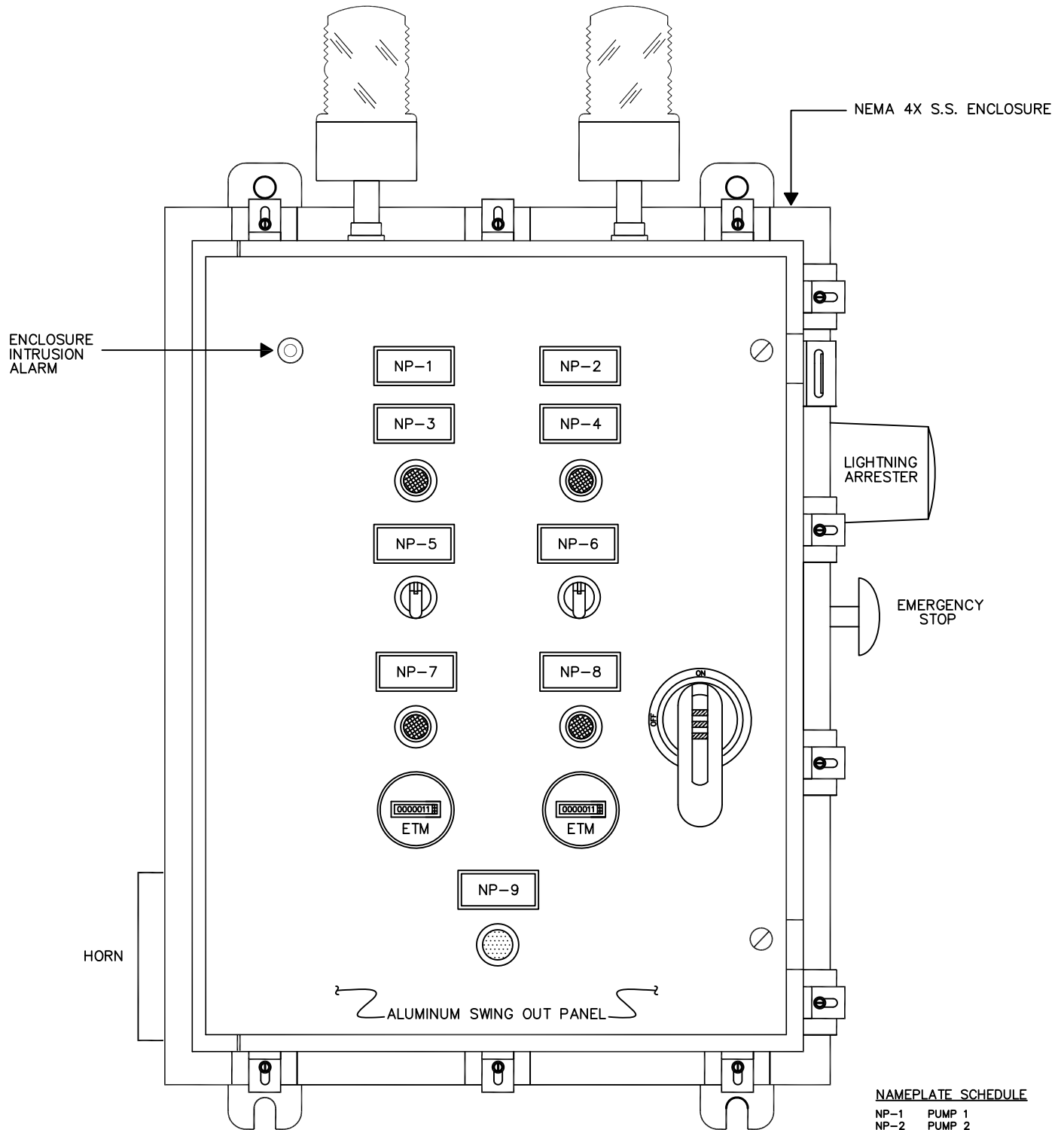
	Drawing Title
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DIP SWITCH SETTINGS ON ISRs

	R/A
	1DB
	K
	R/A
	2DB
	K

	Drawing Title
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VIEW OF SWING OUT PANEL

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

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	SEAL FAIL
NP-8	SEAL FAIL
NP-9	HORN SILENCE

Drawing Title							
ENCLOSURE							
DATE		REFERENCE DRAWING		NO.		REVISION-LOCATION	
12/18/02		S/N		Sales Engineer		Application Engineer	
		C.C.		R.C.		DRAWN	
Project Title						BY	
DUPLIX PUMP CONTROL PANEL						CTR	
						BY	
						DATE	
						PURCHASE ORDER NUMBER	
						DRAWING NUMBER	
						CP-1509	
						SHEET NUMBER	
						6	

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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	OXF5X265	DISCONNECT SHAFT
30	1	SSAC	PLMU11	PHASE MONITOR
31	1	C-H	10250	EMERGENCY STOP

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
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12/18/02		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED	
	Project Title				BY	DATE	
	<h2 style="margin: 0;">DUPLEX PUMP CONTROL PANEL</h2>	<div style="font-size: 2em; font-weight: bold; margin: 0;">COX</div> <div style="font-size: 0.8em; margin: 0;">Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
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					SHEET NUMBER		7

