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# COX

Research and Technology, Inc.

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PLAQUEMINE  
WALMART  
DUPLEX PUMP  
CONTROL PANEL

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

CP-2002

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	5	
FLA	28	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	Gorman Rupp	
CATALOG NUMBER	T3A3S-B	
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		

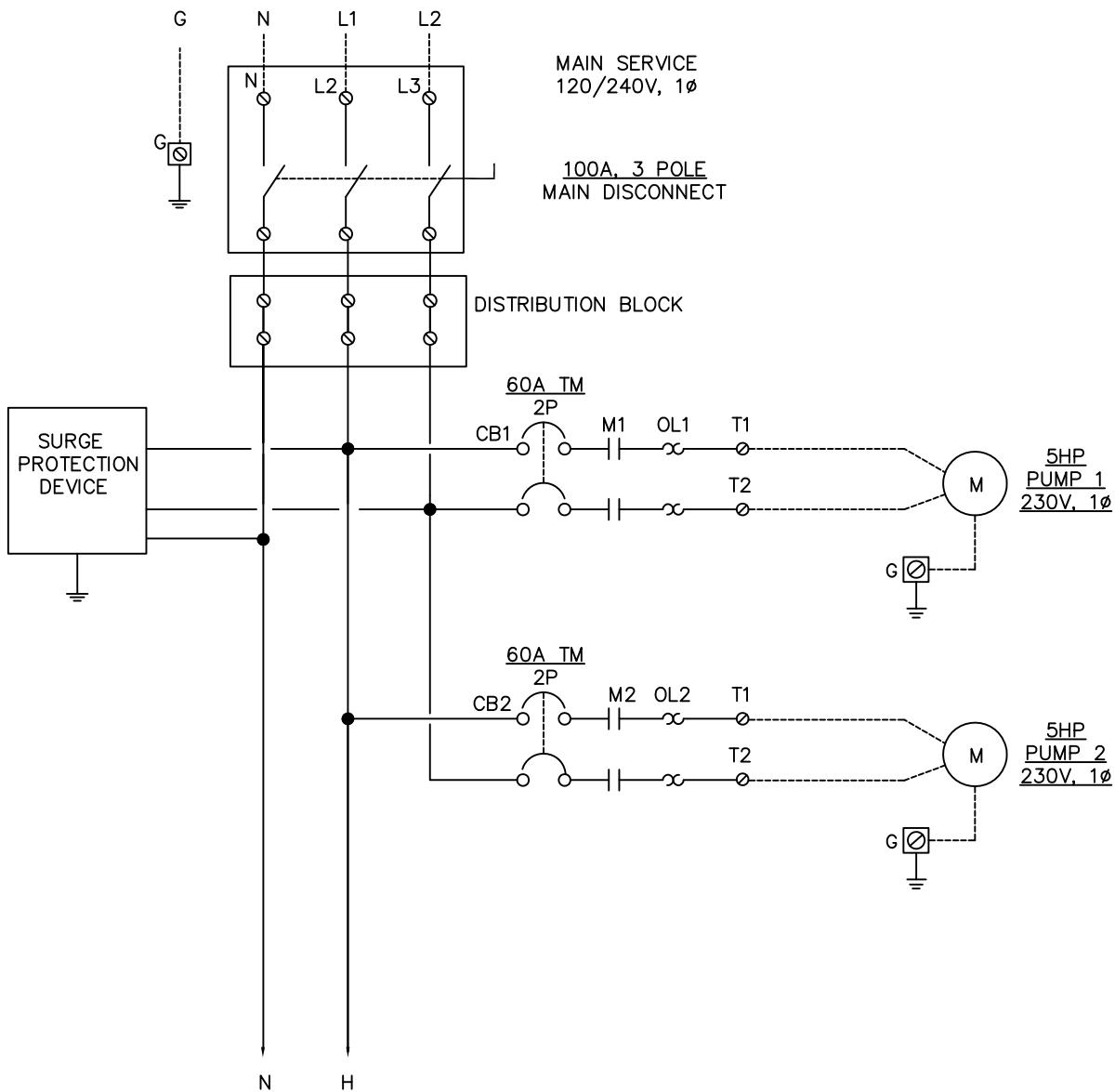
OPTIONS:

SEAL FAIL LIGHTS	_____	(Submersible Only)
SEAL FAIL RELAYS	_____	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	_____	(Submersible Only)
HT PUMP SHUTDOWN	_____	(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	_____	
PHASE MONITOR	_____	
NEMA RATED STARTERS	X	
GROUND FAULT RECPT.	_____	
GREEN RUN LIGHTS VS. RED	_____	
POLE, BOX, SEAL	_____	
INTRINSICALLY SAFE RELAYS	_____	
HIGH TEMP. LOCKOUT, MANUAL RESET	_____	
ECONOMY VERSION	_____	
U.L. LISTED	X	

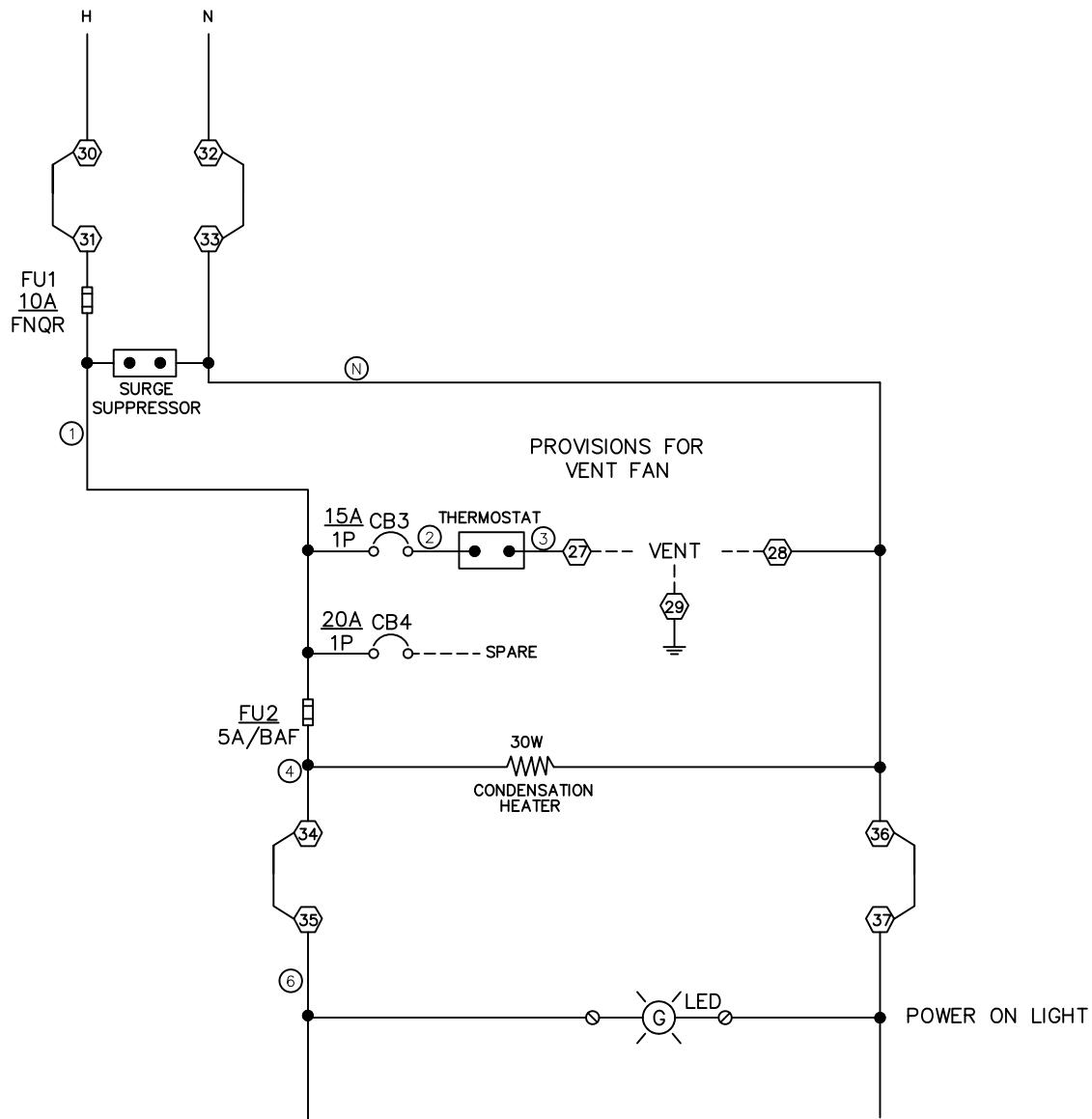
SOLD TO: Delta Process - Denham Springs, LA  
TAG : Plaquemine Walmart

SHIP TO: Delta Process - Denham Springs, LA

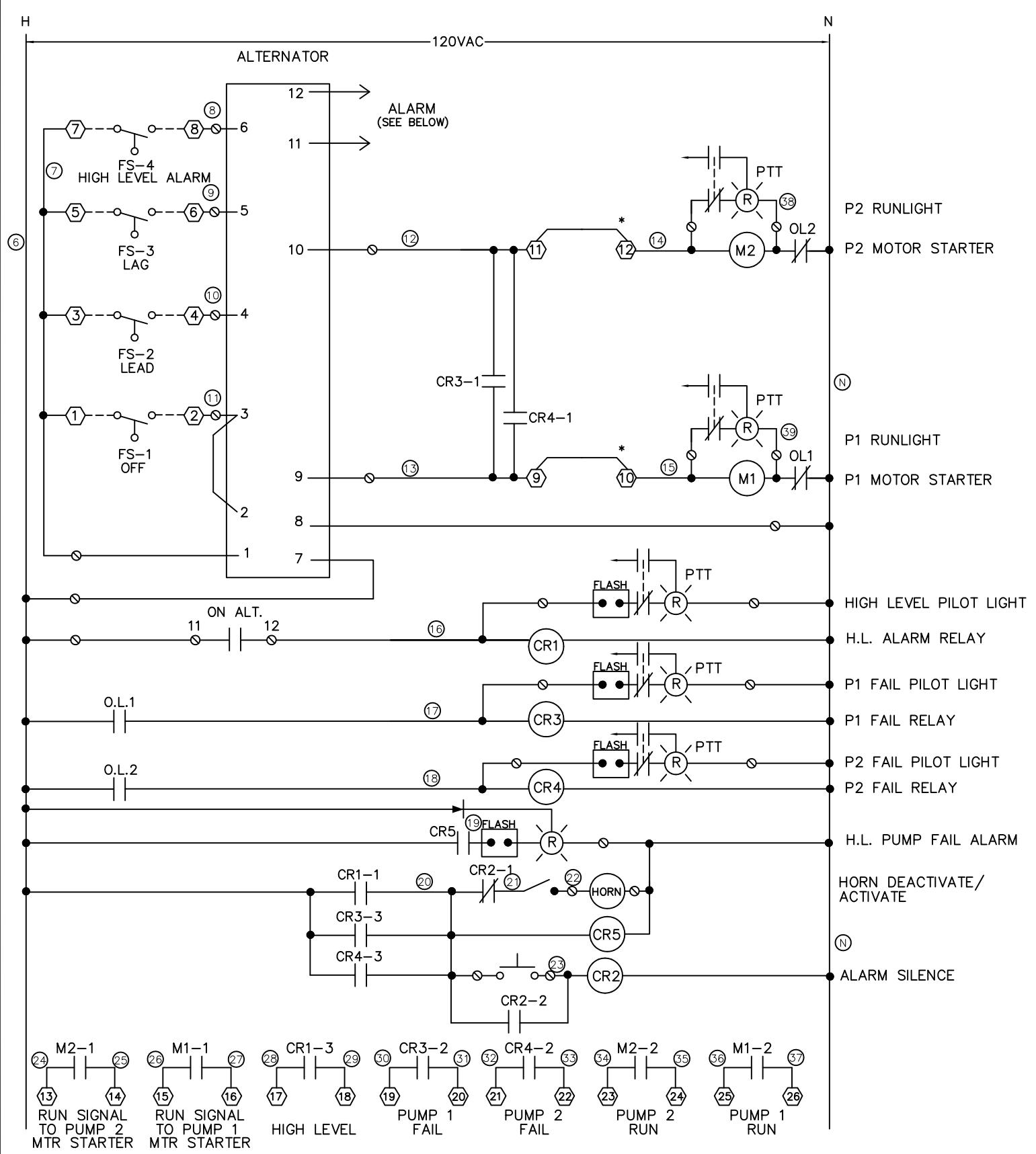
Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO. R.C.	REVISION-LOCATION		ECN	DATE BY
		S/N	Sales Engineer C.C.		Application Engineer R.C.	DRAWN BY CTR		
DATE 2/28/05	Project Title  DUPLEX PUMP CONTROL PANEL	COX	Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-2002			
					SHEET NUMBER 1			



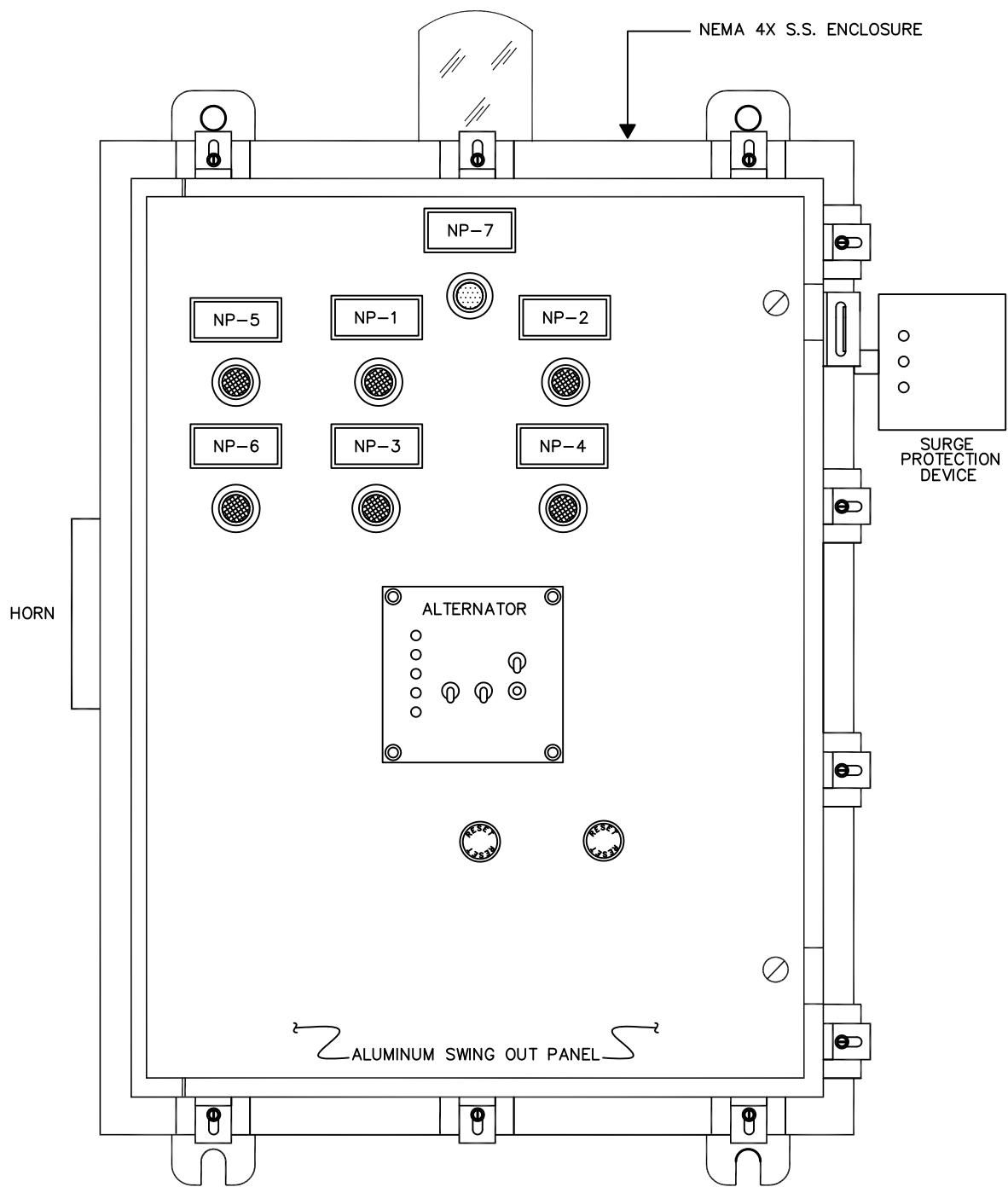
	Drawing Title					
	POWER DIAGRAM					
DATE 2/28/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title					
	DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER		
				DRAWING NUMBER	CP-2002	
				SHEET NUMBER	2	



	Drawing Title  <b>POWER DIAGRAM</b>					
DATE 2/28/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE	BY
Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2002 SHEET NUMBER 3	
				Ph. (225)756-3271 Fax (225)756-1030		



	Drawing Title							
	CONTROL DIAGRAM							
DATE 2/28/05	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR		APPROVED BY DATE		
Project Title		<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER CP-2002		SHEET NUMBER		
				Ph. (225)756-3271 Fax (225)756-1030		4		



#### NAMEPLATE SCHEDULE

#### VIEW OF SWING OUT PANEL

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

NP-1	PUMP 1 RUN
NP-2	PUMP 2 RUN
NP-3	PUMP FAIL
NP-4	PUMP FAIL
NP-5	HIGH WATER
NP-6	ALARM SILENCE
NP-7	POWER ON

	Drawing Title					
	ENCLOSURE					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 2/28/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR	APPROVED BY DATE
	Project Title	<hr/> <hr/> <hr/> <b>COX</b> <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-2002
						SHEET NUMBER 5

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S302410N4X	ENCLOSURE
1a	1	EBE	3024P	BACKPLATE
1b	1	EBE	A3024SP	DEAD FRONT
2	1	DIVERSIFIED	ARM-120-AFEP	ALTERNATOR
3	4	SSAC	FS126	FLASHER
4	5	ACI	JR22BL11R	PILOT LIGHT RED
5	1	ACI	JR22AN11B	PUSH BUTTON
6	1	AC/DC	BL5-R-120	ALARM LIGHT
7	1	EDWARDS	870P-N5	HORN
8	5	IDEA	RU4SA110	CR1,2,3,4,5
9	1	SQUARE D	QOU120	CB4
10	1	SQUARE D	QOU115	CB3
11	1	MARATHON	1321580	NEUTRAL BLOCK
12	1	VYNCKIER	VESNC	THERMOSTAT
13	1	ACI	JR22FG	PILOT LIGHT GREEN
14	1	SQUARE D	12710	SURGE SUPPRESSOR
15	1	DAYTON	4BA54	CONDENSATION HEATER
16	1	ABB	OT100E3	DISCONNECT SWITCH
17	2	SQUARE D	QOU260	CB1,2
18	2	SQUARE D	8536SC02V02	MS1,2
19	4	SQUARE D	B36.0	HEATER PACK
20	4	SQUARE D	9999SX8	AUXILIARY CONTACTS
21	2	SQUARE D	9999S04	O.L. CONTACTS
22	1	CF	SP120-240-SP	SURGE PROTECTION DEVICE
23				
24				

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 2/28/05			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
				C.C.	R.C.	BY CTR	BY	DATE	
	Project Title		COX			PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.			DRAWING NUMBER CP-2002			
				Ph. (225)756-3271 Fax (225)756-1030					
							SHEET NUMBER 6		