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# COX

Research and Technology, Inc.

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## 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-1400

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	3	
FLA	8.8	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(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	2,4	

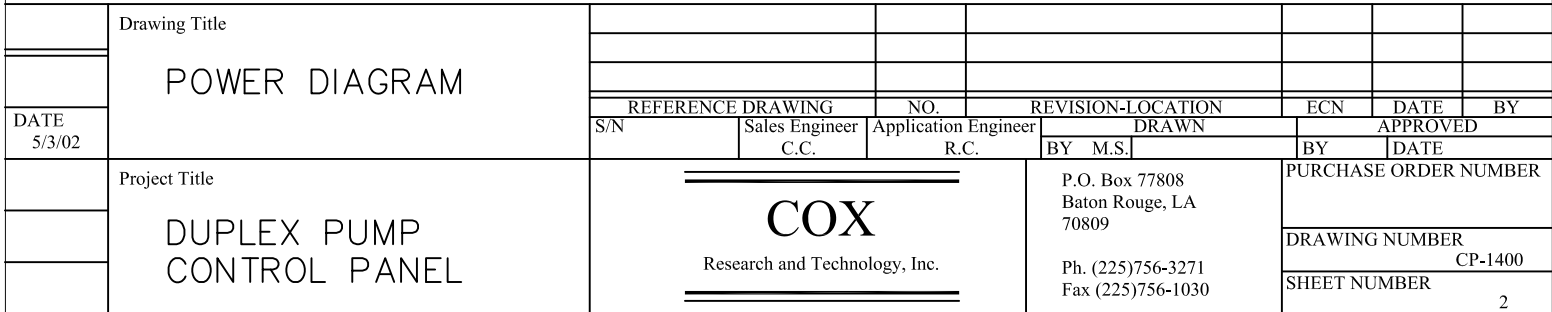
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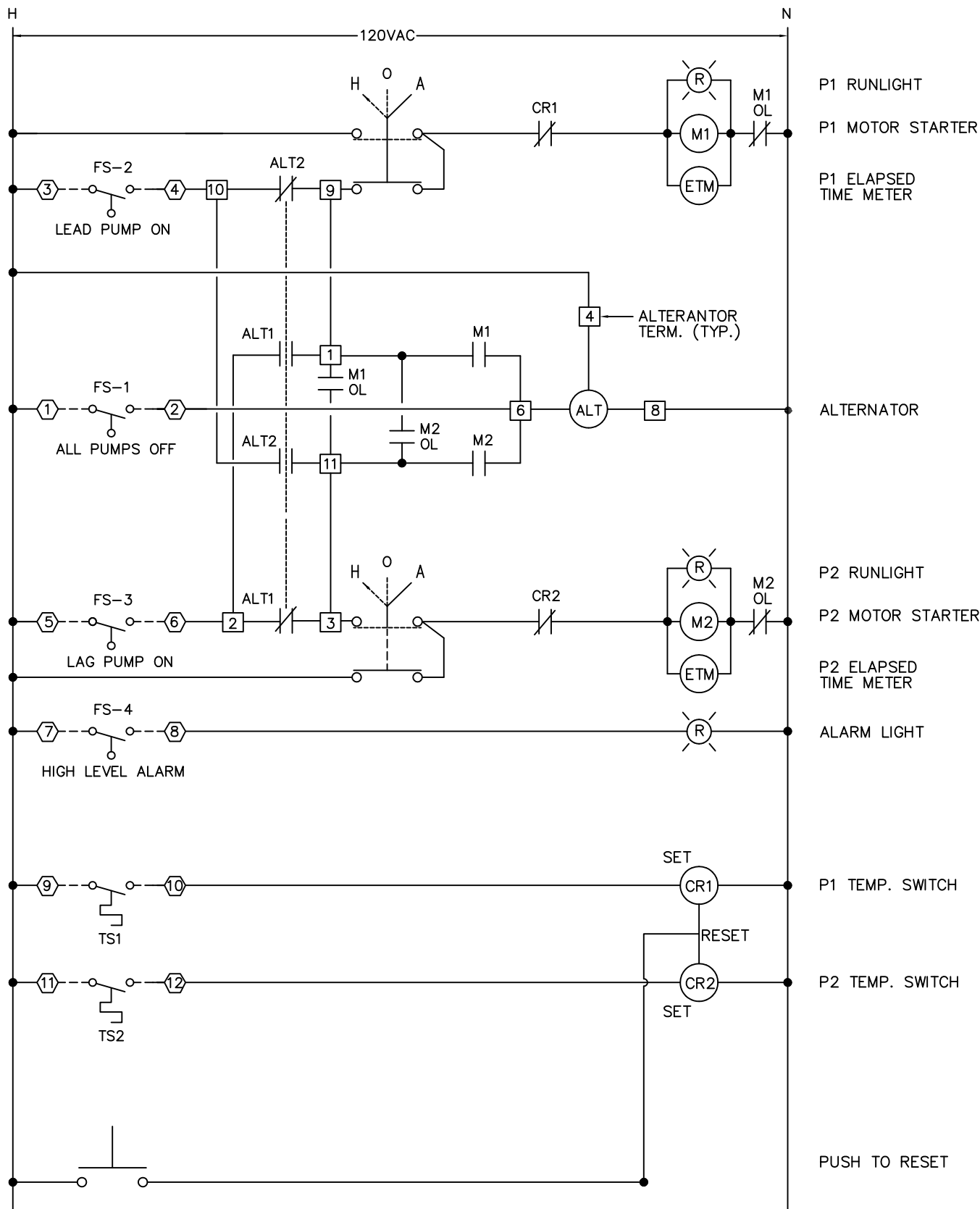
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR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

SOLD TO: Delta Process - Shreveport, LA  
TAG : Roach Plumbing/Caddo #2

SHIP TO: Delta Process c/o Buda Engine Co.

	Drawing Title						
	PANEL DESCRIPTION						
DATE 5/3/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY M.S.	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1400 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						





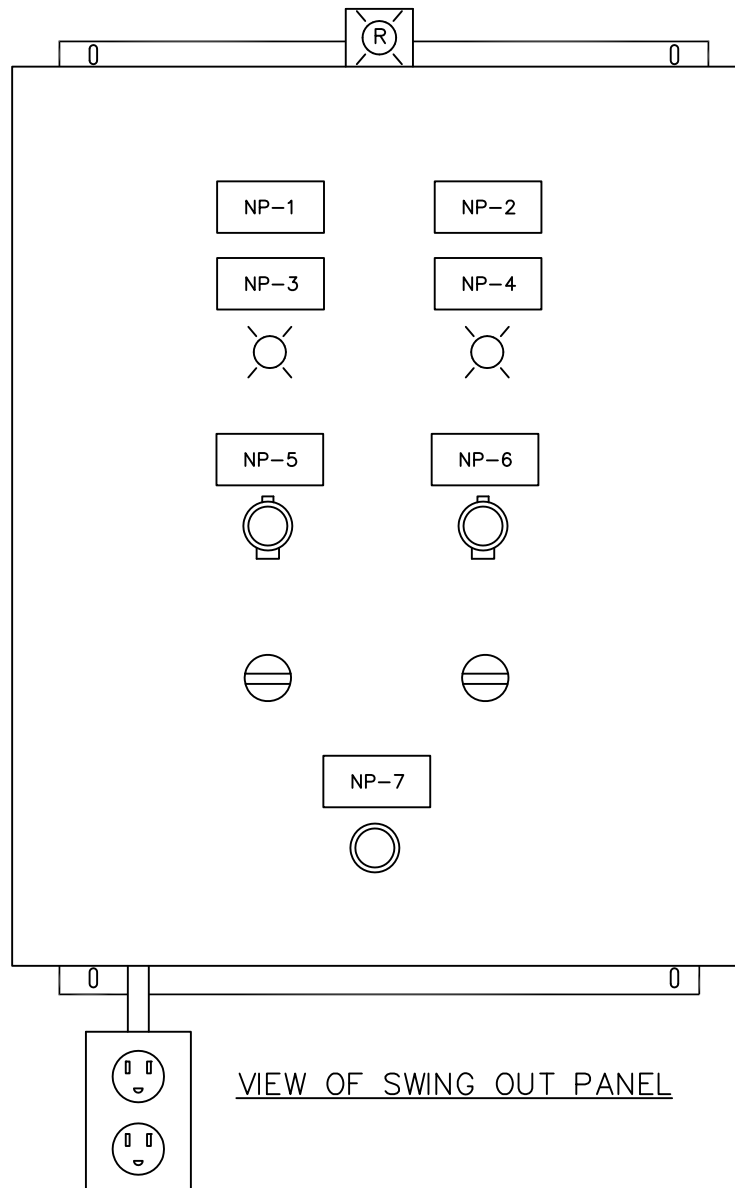
	Drawing Title								
	CONTROL DIAGRAM								
DATE	5/3/02	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY	M.S.	BY	DATE	
	Project Title							PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1400	
								SHEET NUMBER	3

**COX**

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Baton Rouge, LA  
70809

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Fax (225)756-1030



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	PUSH TO RESET

	Drawing Title						
	ENCLOSURE						
DATE 5/3/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="text-align: center;"> <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1400 SHEET NUMBER 4
	DUPLEX PUMP CONTROL PANEL						

# BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU11	O.L. RELAY (7.5-11A)
5	2	SQUARE D	QOU320	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PIOLT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	SQUARE D	QOU120	CB3
10	1	C-H	CHSA03	LIGHTNING ARRESTER
11	1	AC/DC	BL5-R-120	ALARM LIGHT
12	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
13	2	P&B	KUL-11A15S-120	CR1,2
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	Drawing Title						
	BILL OF MATERIALS						
DATE 5/3/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY M.S.	ECN	DATE
	Project Title	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <b>COX</b>            Research and Technology, Inc.         </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER <div style="text-align: right;">CP-1400</div> SHEET NUMBER <div style="text-align: right;">5</div>
	DUPLEX PUMP CONTROL PANEL						