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# COX

Research and Technology, Inc.

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## ROSEDALE UNIT #9

## 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

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	7.5	
FLA	39	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	BARNES	
CATALOG NUMBER	4SE7524L	

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	YES	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(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	X	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process - Bossier City, LA  
 TAG : ROSEDALE UNIT#9

SHIP TO: Delta Process - Ruston, LA

Drawing Title	PANEL DESCRIPTION								
			REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE	BY
DATE	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED				
3/29/06		C.C.	R.C.	BY C. RACHAL	BY		BY	DATE	
Project Title									PURCHASE ORDER NUMBER
DUPLEX PUMP									DRAWING NUMBER
CONTROL PANEL							CP-2344		SHEET NUMBER
							1		

COX

Research and Technology, Inc.

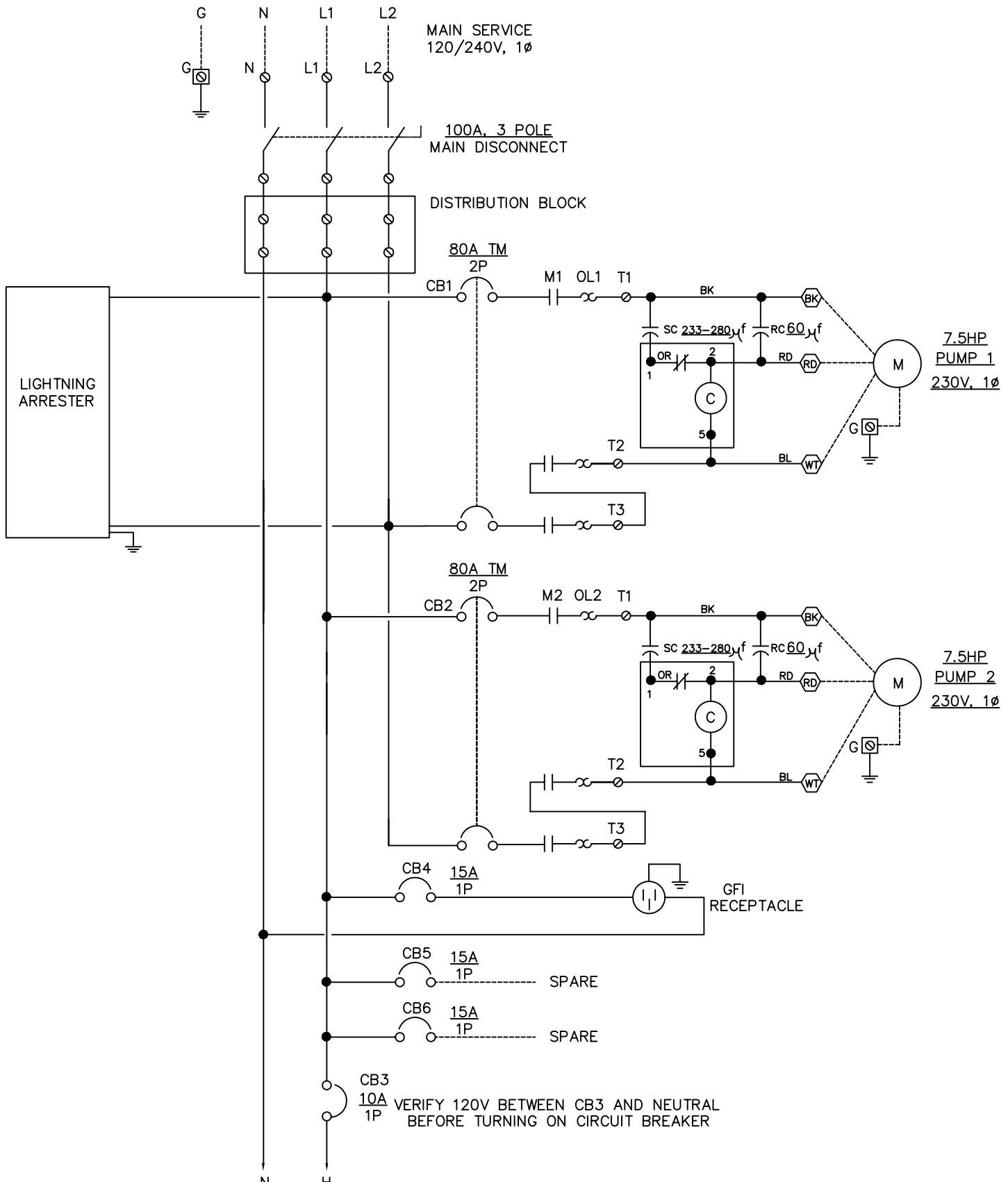
P.O. Box 77808

Baton Rouge, LA

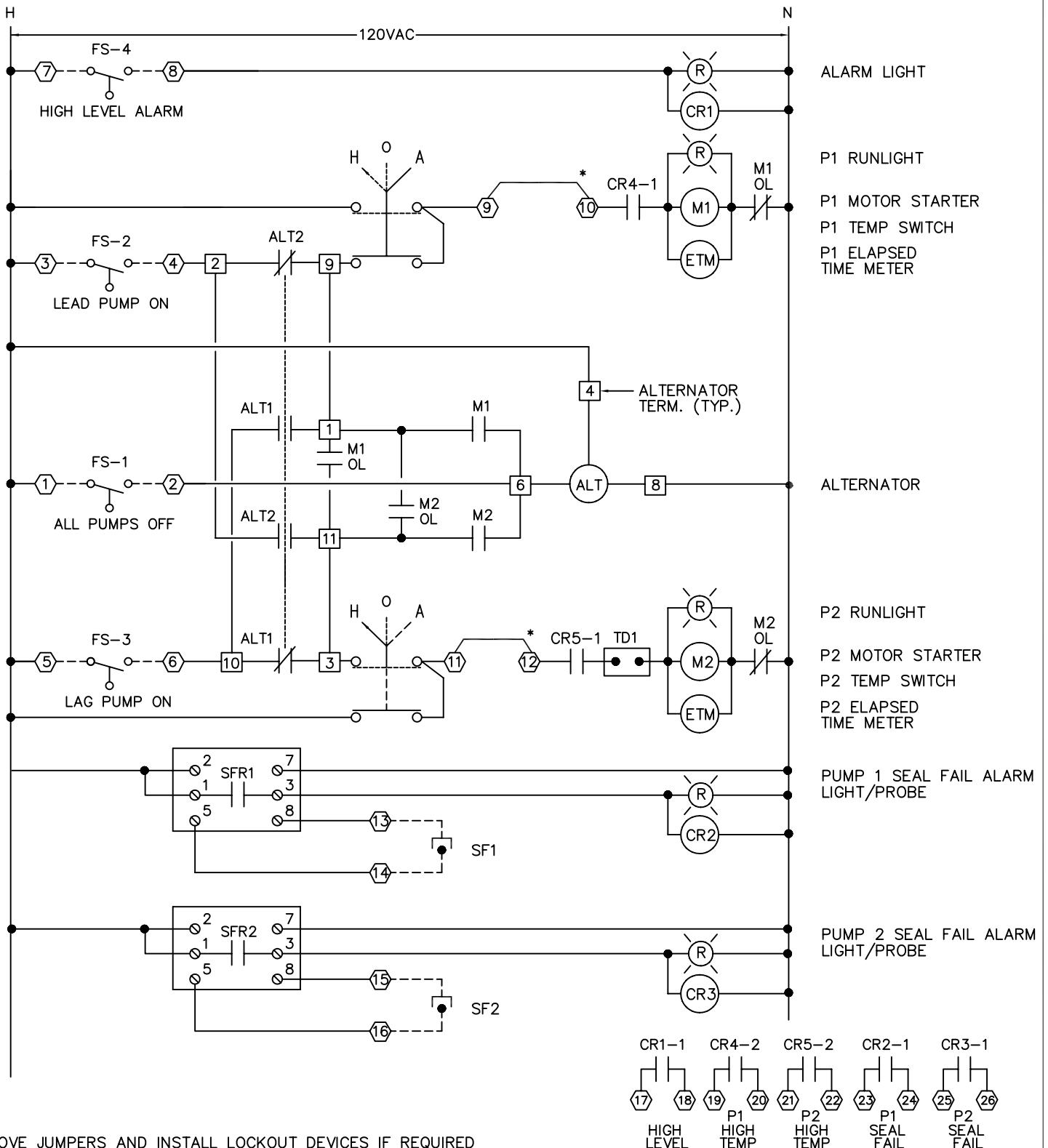
70809

Ph. (225)756-3271

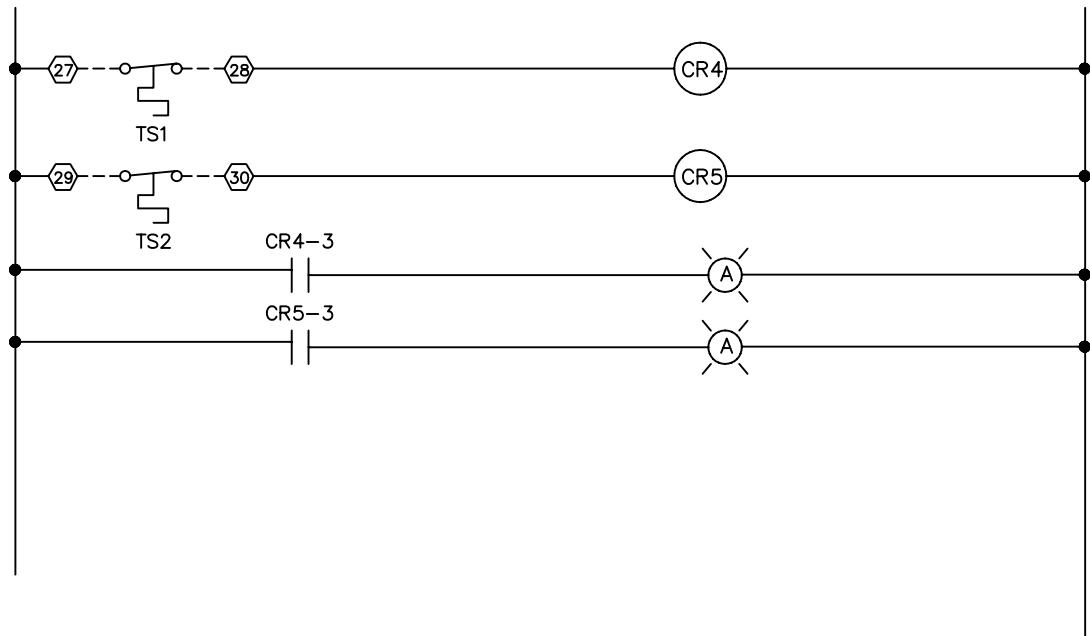
Fax (225)755-1030



	Drawing Title  POWER DIAGRAM				
DATE 3/29/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL DATE APPROVED BY DATE
	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)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2344 SHEET NUMBER 2



\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED



	Drawing Title					
	CONTROL DIAGRAM					
DATE 3/29/06		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED
			C.C.	R.C.	BY C. RACHAL	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)755-1030	DRAWING NUMBER CP-2344
		<hr/> <hr/>				SHEET NUMBER 4



# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM30240RL	ENCLOSURE
1a	1	ALLIED	P3024A	BACKPLATE
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	C-H	CE15HNS3AB	MOTOR STARTER
4	6	C-H	C316KNA3C	HEATER PACK
5	2	SQUARE D	QOU280	CB1, CB2
6	3	SQUARE D	QOU115	CB4, CB5, CB6
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	4	ACI	JR22FR	RED PILOT LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	TOMAR	490S-120	ALARM LIGHT
11	1	MARATHON	1323580	DISTRIBUTION BLOCK
12	2	REDINGTON	711-0190	ELAPSED TIME METER
13	2	SSAC	LLC54AA	SEAL FAIL RELAY
14	1	DELTA	LA302R	LIGHTNING ARRESTER
15	1	STOCK		GFI
16	2	GE	6X555	START RELAY
17	2	GE	3GA14	RUN CAPACITOR 60 $\mu$ f
18	2	MALLORY	4X661	START CAPACITOR 233-280 $\mu$ f
19	1	SQUARE D	QOU110	CB3
20	1	DAYTON	2A561	TIME DELAY RELAY
21	2	ACI	JR22FY	AMBER PILOT LIGHT
22	3	IDEC	RU2SAC120	CR1,2,3
23	2	IDEC	RU4SAC120	CR4,5
24				
25				

Drawing Title  BILL OF MATERIALS								
DATE 3/29/06	REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL		ECN APPROVED BY	DATE DRAWN BY	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)755-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2344  SHEET NUMBER 6	