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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
PEARL RIVER

#1

120/240V 3Ø

# AS BUILTS

SEPTEMBER 19, 2005

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

CP-2151

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	20	
FLA	54 (EST)	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Hydromatic	
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		

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	X	
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS		
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process - New Orleans, LA

TAG : Pearl River L.S. #1

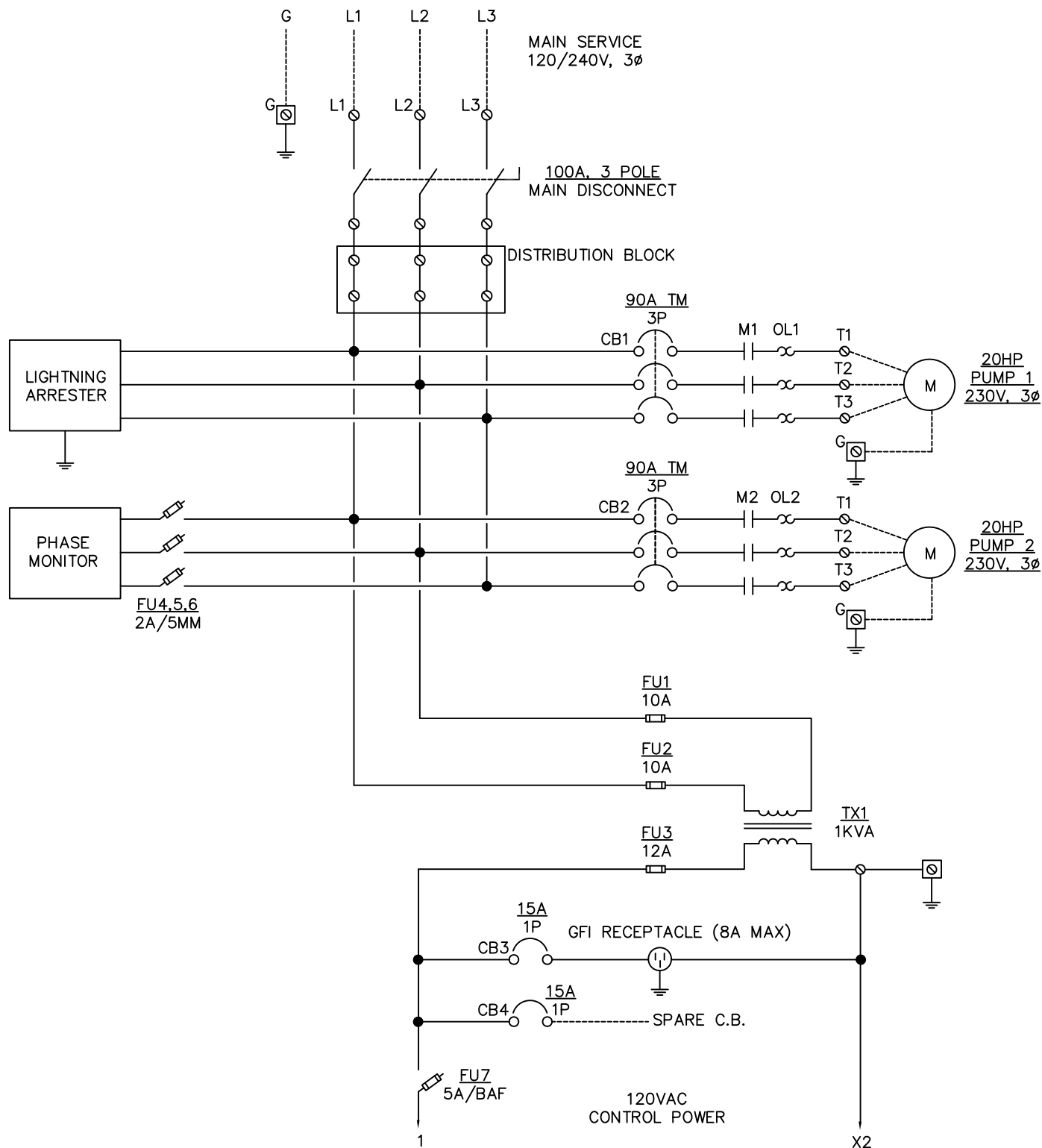
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SHIP TO: Delta Process - Denham Springs, LA

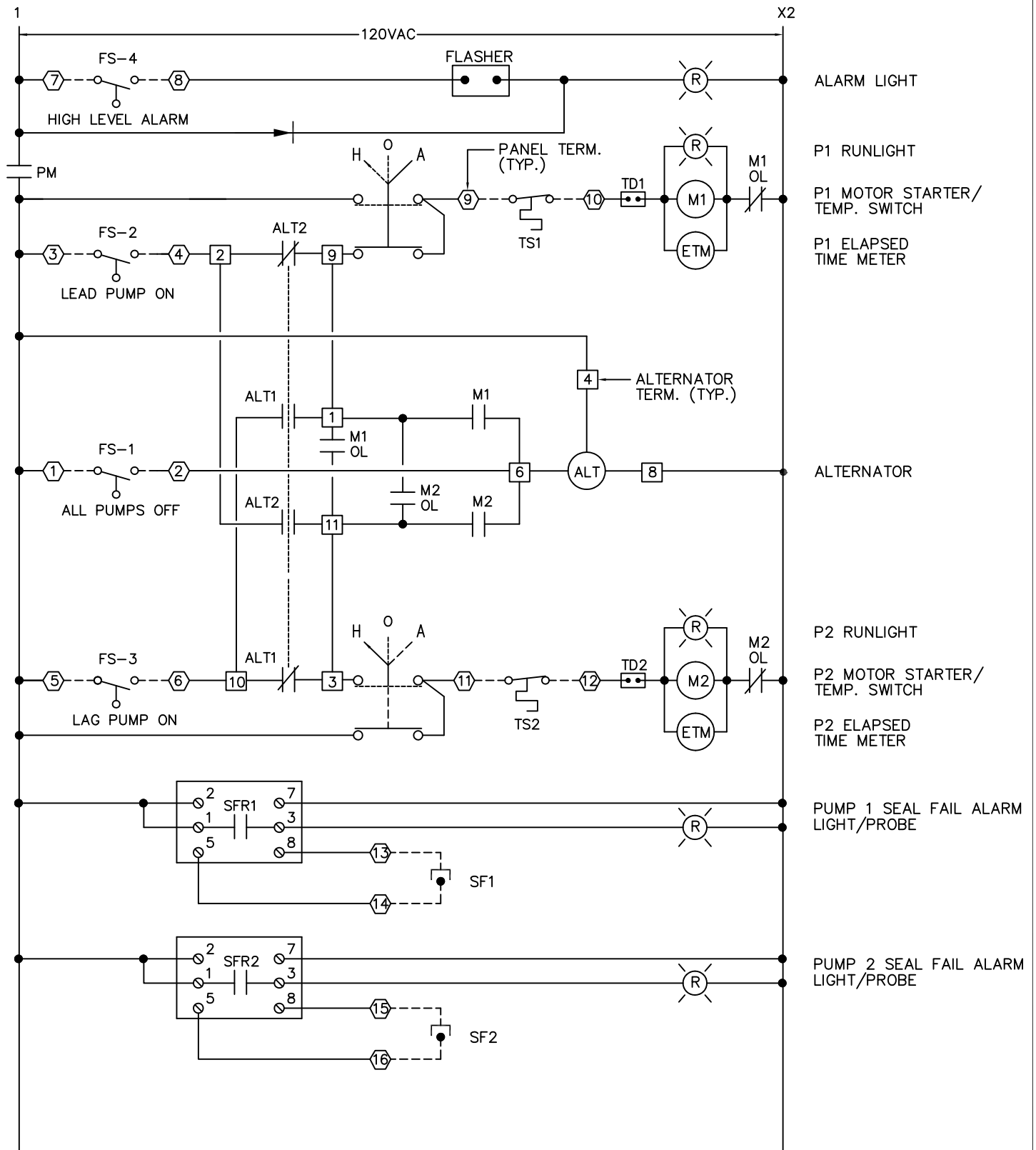
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	Drawing Title						
	PANEL DESCRIPTION						
DATE 9/15/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2151
							SHEET NUMBER 1



	Drawing Title								
	POWER DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
9/15/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE		
	Project Title	<div>COX</div> <div>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)755-1030		DRAWING NUMBER CP-2151		
							SHEET NUMBER 2		



Drawing Title									
CONTROL DIAGRAM									
DATE 9/15/05	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE	BY
	S/N		Sales Engineer C.C.		Application Engineer R.C.		DRAWN BY C. RACHAL		APPROVED BY
Project Title								PURCHASE ORDER NUMBER	
DUPLIX PUMP CONTROL PANEL								DRAWING NUMBER CP-2151	
								SHEET NUMBER 3	



# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM30240RL	ENCLOSURE
1a	1	ALLIED	HFP3024	DEAD FRONT
1b	1	ALLIED	PA3024	BACKPLATE
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	ABB	A50-30-11-84	MOTOR STARTER
4	2	ABB	TA75DU63	O.L. RELAY (45-63A)
5	2	ABB	S1N090TL	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	SQUARE D	9070TF1000D1	TRANSFORMER
10	1	AC/DC	BL5-R-120	ALARM LIGHT
11	1	DELTA	LA603	LIGHTNING ARRESTER
12	1	SSAC	PLMU-11	PHASE MONITOR
13	2	REDINGTON	711-0190	ELAPSED TIME METER
14	2	SQUARE D	QOU 115	CB3
15	1	STOCK		RECEPTACLE
16	1	SSAC	LLC54AA	SEAL FAIL RELAYS
17	2	DAYTON	2A561	TIME DELAY
18	2	ABB	S1N050TL	SPARE C.B.(480V)
19	2	ABB	TA75DU32	SPARE O.L.(480V)
20				
21				
22				
23				
24				

	Drawing Title								
	BILL OF MATERIALS								
DATE 9/15/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY		
	Project Title					PURCHASE ORDER NUMBER			
	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			