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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL TOWN OF STERLINGTON

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

CP-2220

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	15	
FLA	<42	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	Gorman Rupp	
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	Float Switches	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

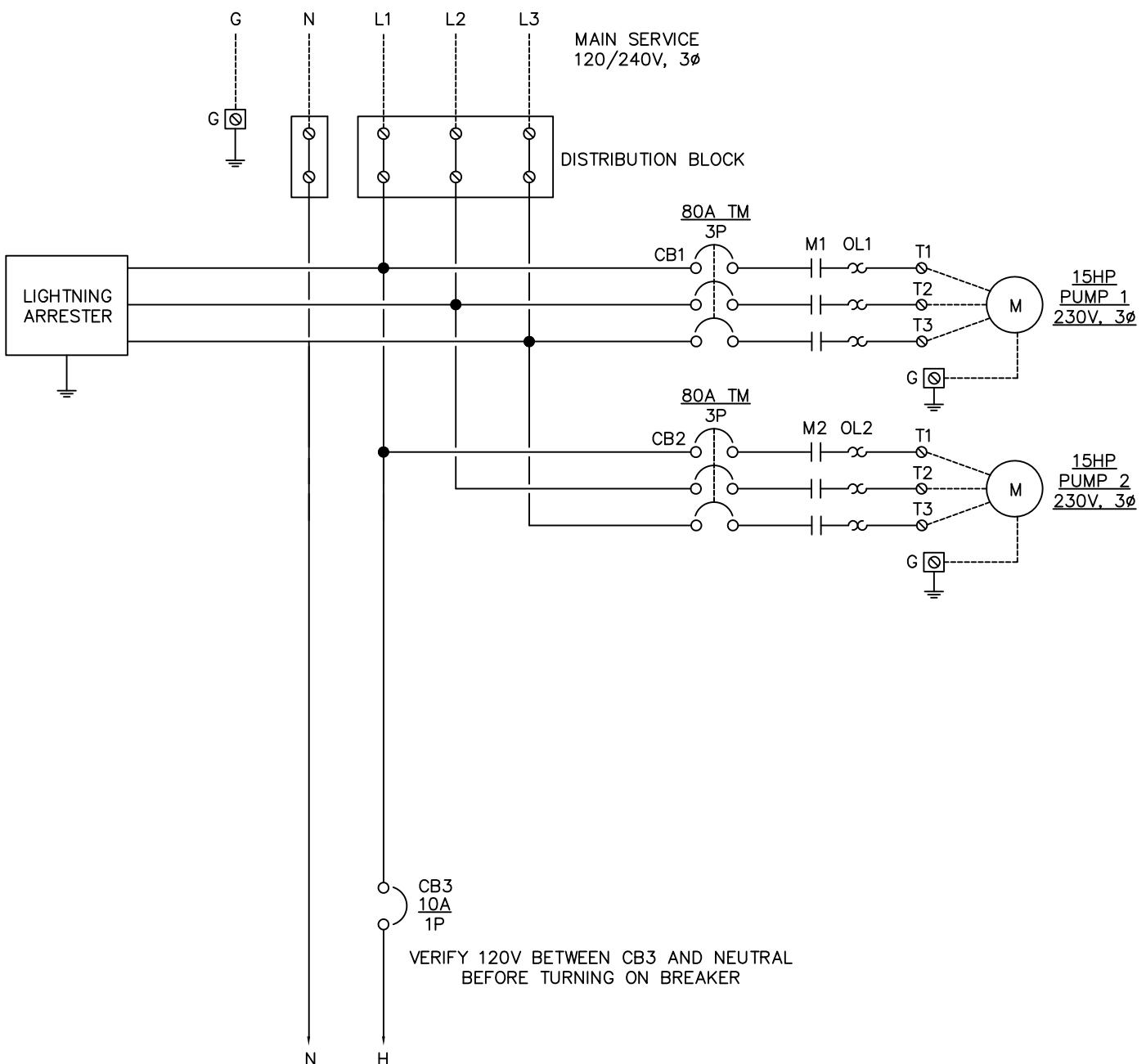
OPTIONS:

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

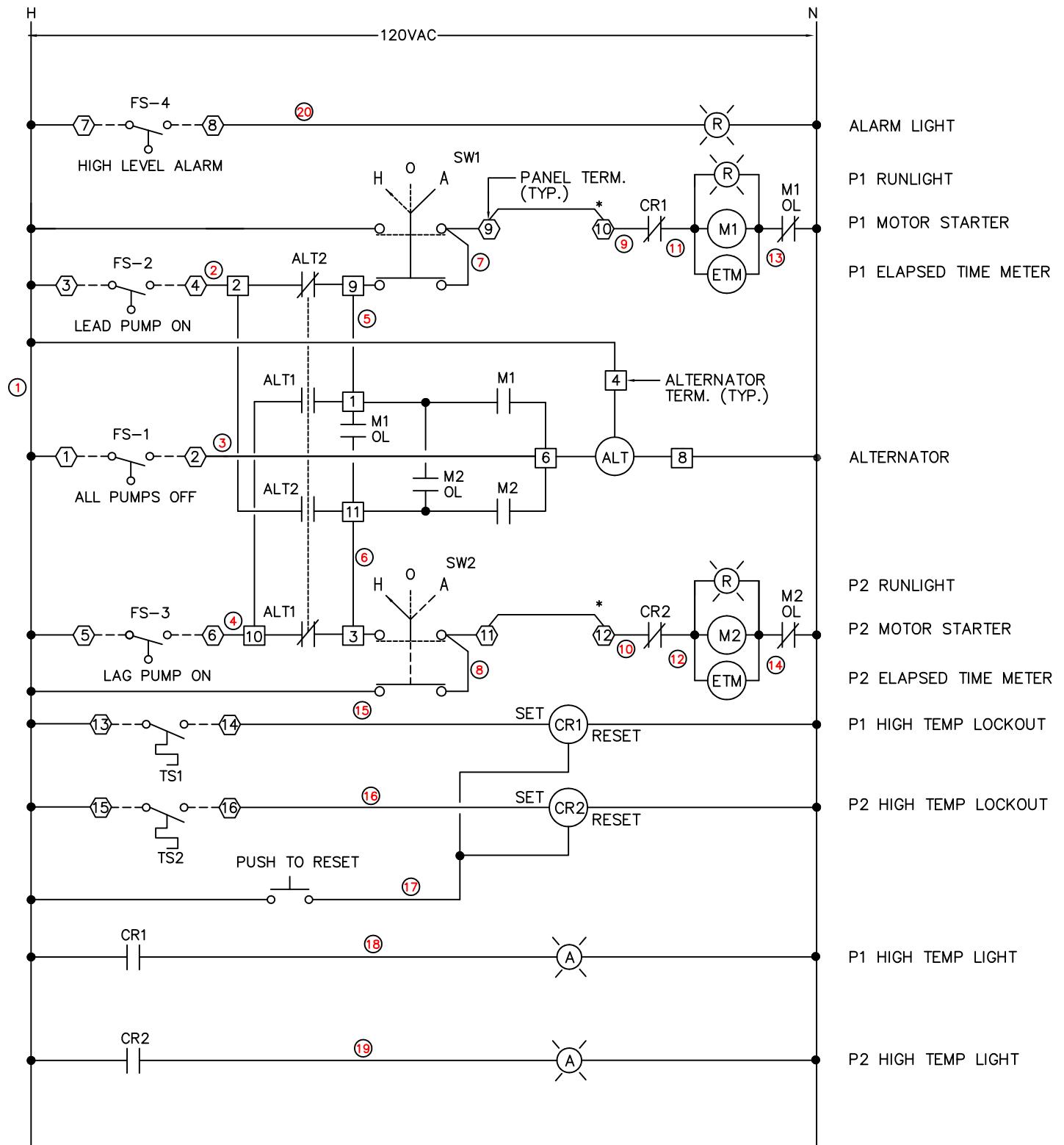
SOLD TO: Delta Process Equipment, Inc. - Ruston, LA  
TAG : Town of Sterlington

SHIP TO: Delta Process Equipment, Inc. - Ruston, LA

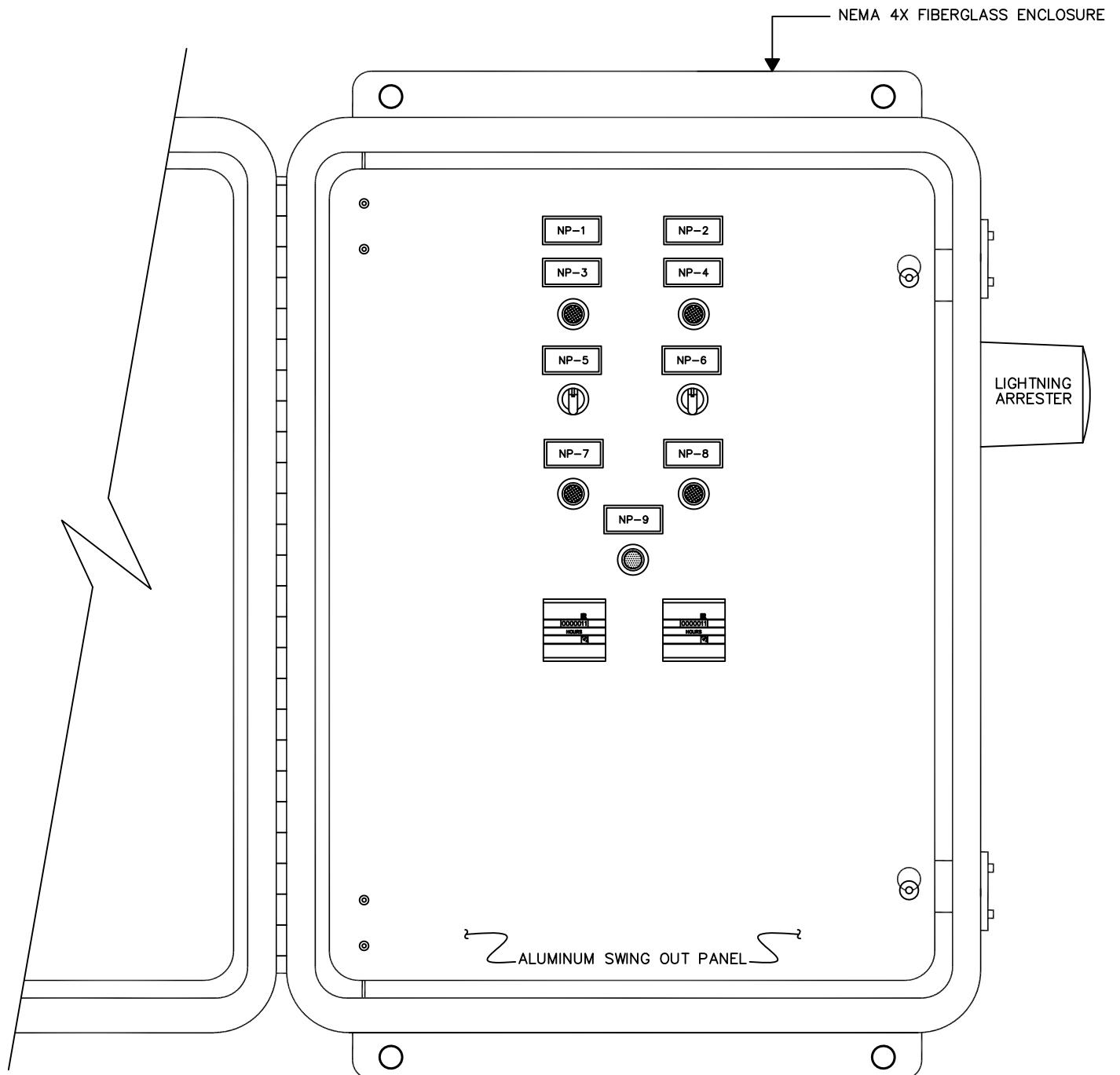
Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	BY	APPROVED	BY	DATE
DATE 12/08/05	Project Title  DUPLEX PUMP CONTROL PANEL				C. RACHAL	COX	Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2220 SHEET NUMBER 1
								Ph. (225)756-3271 Fax (225)755-1030	



	Drawing Title						
	POWER DIAGRAM						
DATE 12/08/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	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-2220 SHEET NUMBER 2	



	Drawing Title <b>CONTROL DIAGRAM</b>				
DATE 12/08/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN APPROVED BY C. RACHAL BY DATE
Project Title <b>DUPLEX PUMP CONTROL PANEL</b>		<b>COX</b> 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-2220 SHEET NUMBER 3



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	HIGH TEMP
NP-8	HIGH TEMP
NP-9	HIGH TEMP RESET

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

Drawing Title	ENCLOSURE							
			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	<u>COX</u> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER				
DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER		CP-2220		
				SHEET NUMBER		4		

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	2	ABB	A40-30-10-84	MOTOR STARTER
3	2	ABB	TA42DU42	O.L. RELAY (29-42A)
4	2	SQUARE D	QOU380	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	2	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	2	ACI	JR22FY	AMBER PILOT LIGHT
9	1	ACI	JR22AN11B	PUSH BUTTON
10	1	DELTA	LA603	LIGHTNING ARRESTER
11	2	REDINGTON	711-0190	ELAPSED TIME METER
12	2	MAGNECRAFT	W388AMLCPX-9	LATCHING RELAY CR1,2
13	1	SQUARE D	QOU110	CB3
14	1	AC/DC	BL5-R-120	ALARM LIGHT
15	1	MARATHON	1323580	DISTRIBUTION BLOCK
16	1	MARATHON	1321580	NEUTRAL BLOCK
17				
18				
19				
20				
21				
22				
23				
24				
25				

Drawing Title  <b>BILL OF MATERIALS</b>								
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 12/08/05	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			
		C.C.	R.C.	BY C. RACHAL	BY	DATE		
Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>				P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER		
						DRAWING NUMBER		
						SHEET NUMBER		
							CP-2220	
							5	