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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL TOWN OF ARNAUDVILLE

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

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2/1	
HP	40/2	
FLA	48.5, 52.3, 2.25	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 12	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Other Panel	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

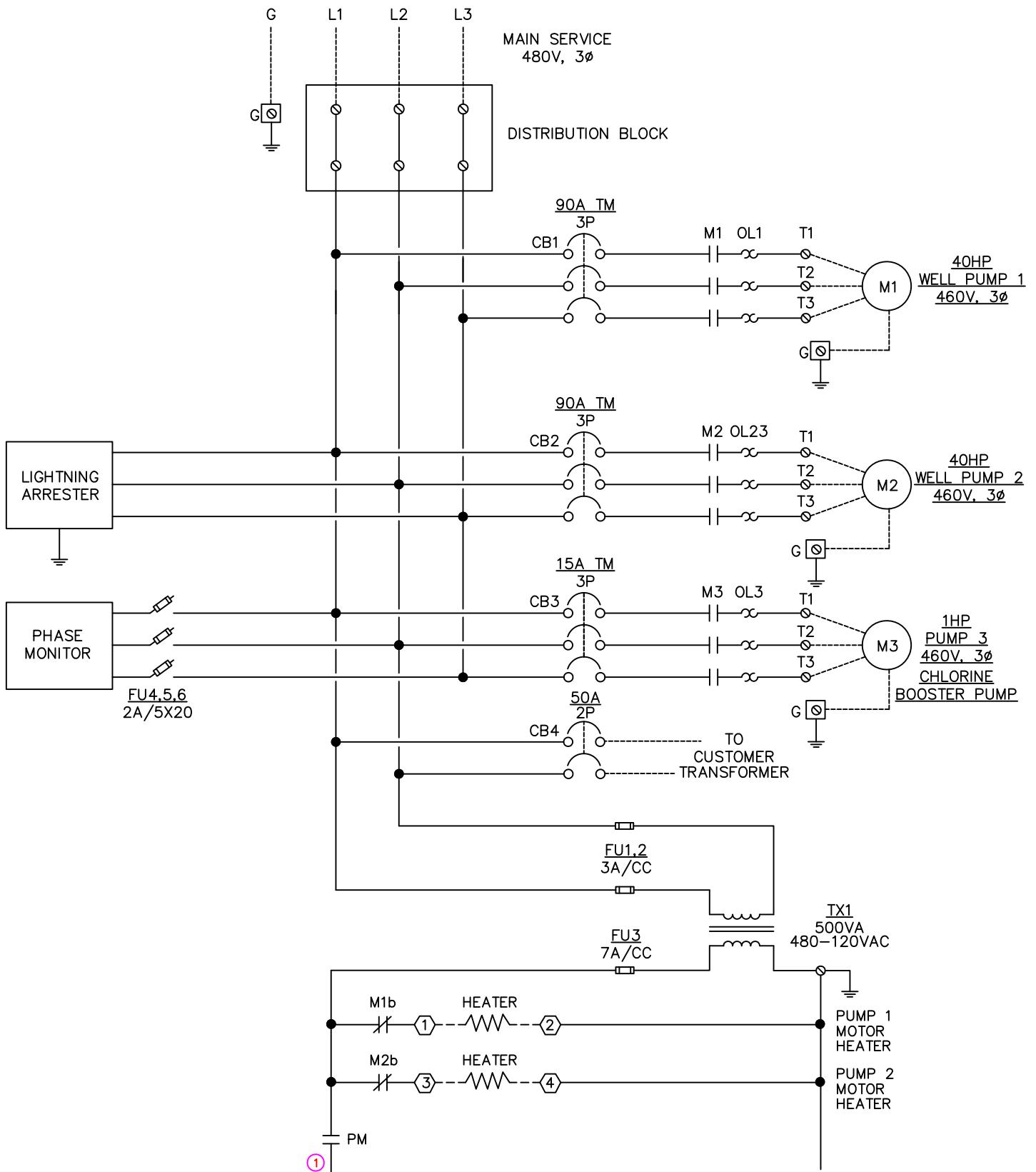
OPTIONS:

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

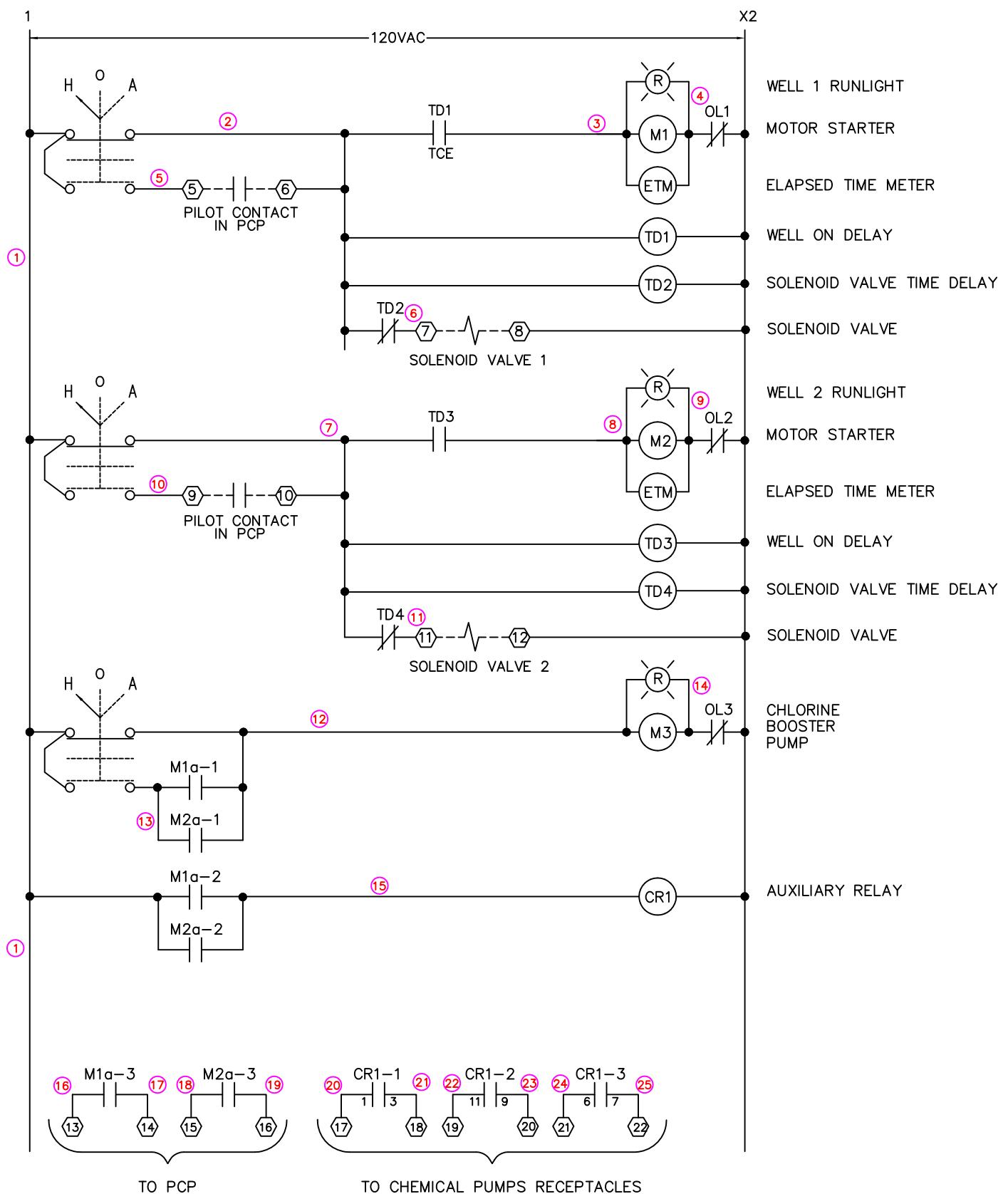
SOLD TO: HOLLIER ELECTRICAL SERVICE, INC.  
TAG : TOWN OF ARNAUDVILLE

SHIP TO: Delta Process - Denham Springs, LA

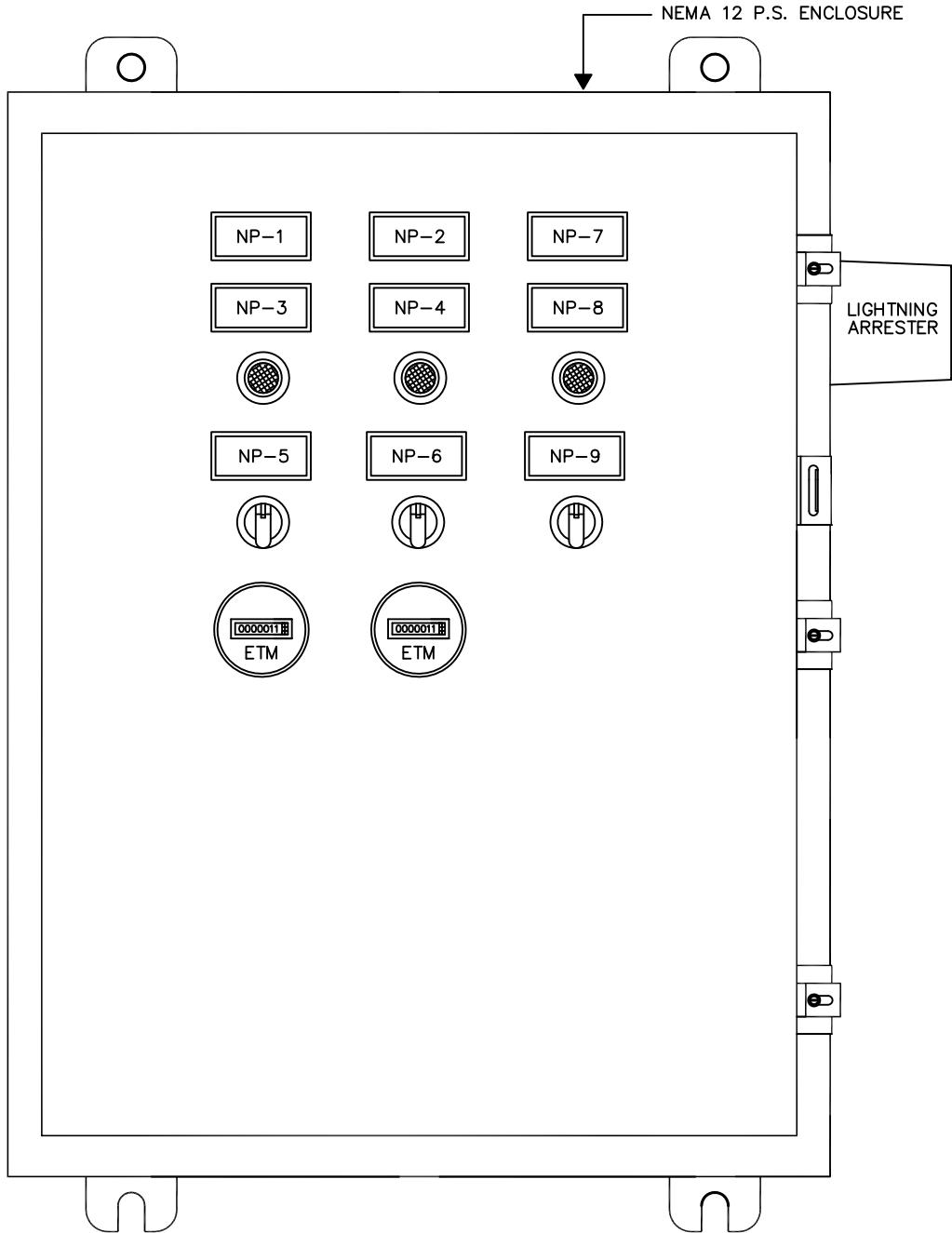
	Drawing Title						
	PANEL DESCRIPTION						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 8/05/04		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
			C.C.	R.C.	BY C. RACHAL	BY	DATE
	Project Title	<u>COX</u> Research and Technology, Inc.			PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1863	
						SHEET NUMBER 1	



	Drawing Title					
	POWER DIAGRAM					
	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 8/05/04	S/N C.C.	Sales Engineer Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE	
Project Title						
DUPLEX PUMP CONTROL PANEL		COX		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER	CP-1863
					SHEET NUMBER	2



	Drawing Title  CONTROL DIAGRAM							
DATE 8/05/04	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL			APPROVED BY DATE	
	Project Title  DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> <b>COX</b> <hr/> <hr/> 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-1863		
						SHEET NUMBER 3		



VIEW OF FRONT OF ENCLOSURE

## NAMEPLATE SCHEDULE

NP-1	WELL 1
NP-2	WELL 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	CHLORINE BOOSTER PUMP
NP-8	RUN
NP-9	HOA

**NOTE:**

SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.  
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE  
PANEL TO PREVENT ENTRY OF GASSES.

	Drawing Title  ENCLOSURE  DATE 8/05/04						
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED	
					BY C. RACHAL	BY	DATE
	Project Title  DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
						DRAWING NUMBER	
					Ph. (225)756-3271 Fax (225)756-1030	CP-1863	
						SHEET NUMBER	
						4	

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	SAGINAW	SCE302410LP	ENCLOSURE
1a	1	SAGINAW	SCE30P24	BACKPLATE
2	2	ABB	A63-30-11-84	MOTOR STARTER 1,2
3	2	ABB	TA75DU63	O.L. RELAY (45-63A)
4	2	ABB	S1N090TL	CB1, CB2
5	3	ACI	JR22FR	RED PILOT LIGHT
6	3	ACI	JR22P3M20B	HOA SWITCH
7	1	SQUARE D	9070TF500D1	TRANSFORMER
8	1	DELTA	LA603	LIGHTNING ARRESTER
9	1	SSAC	PLMU-11	PHASE MONITOR
10	2	REDDINGTON	711-0190	ELAPSED TIME METER
11	1	ABB	A16-30-10-84	MOTOR STARTER 3
12	1	ABB	TA25DU4.0	O.L.3 (2.8-4.0A)
13	1	ABB	S1N015TL	CB3
14	1	ABB	S1N50TL	CB4
15	1	BUSSMAN	16371-3	DISTRIBUTION BLOCK
16	1	OMRON	MK3PN5SAC120	CR1
17	4	ABB	CAL5-11	AUXILIARY CONTACTS
18	4	DAYTON	6A855	TIME DELAY 1-4
19				
20				
21				
22				
23				
24				
25				

	Drawing Title  <b>BILL OF MATERIALS</b>  DATE 8/05/04						
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
			Application Engineer R.C.				APPROVED BY DATE
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<hr/> <b>COX</b> Research and Technology, Inc. <hr/>	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1863			
				SHEET NUMBER 5			