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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

CP-1863

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		

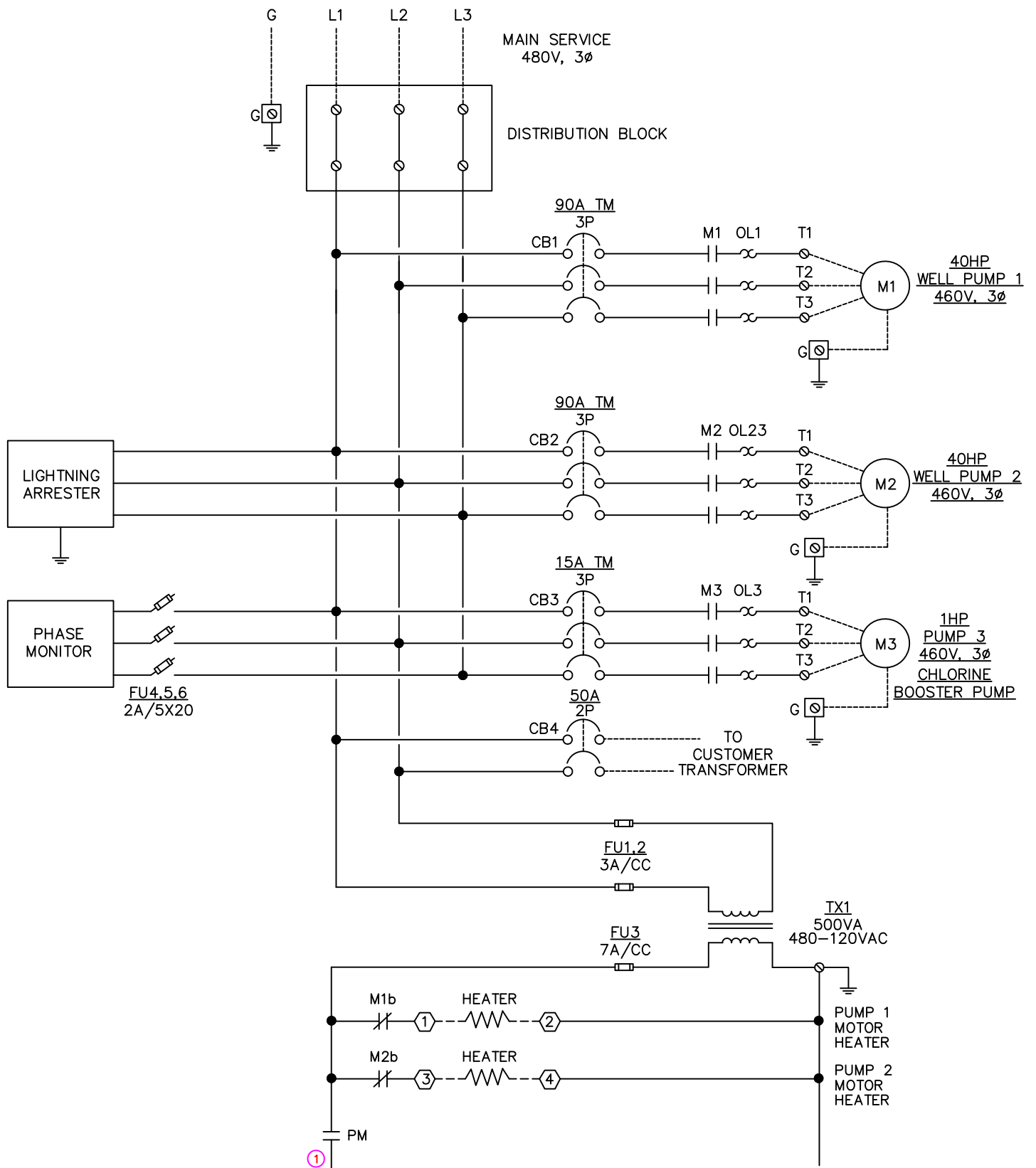
OPTIONS:

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		

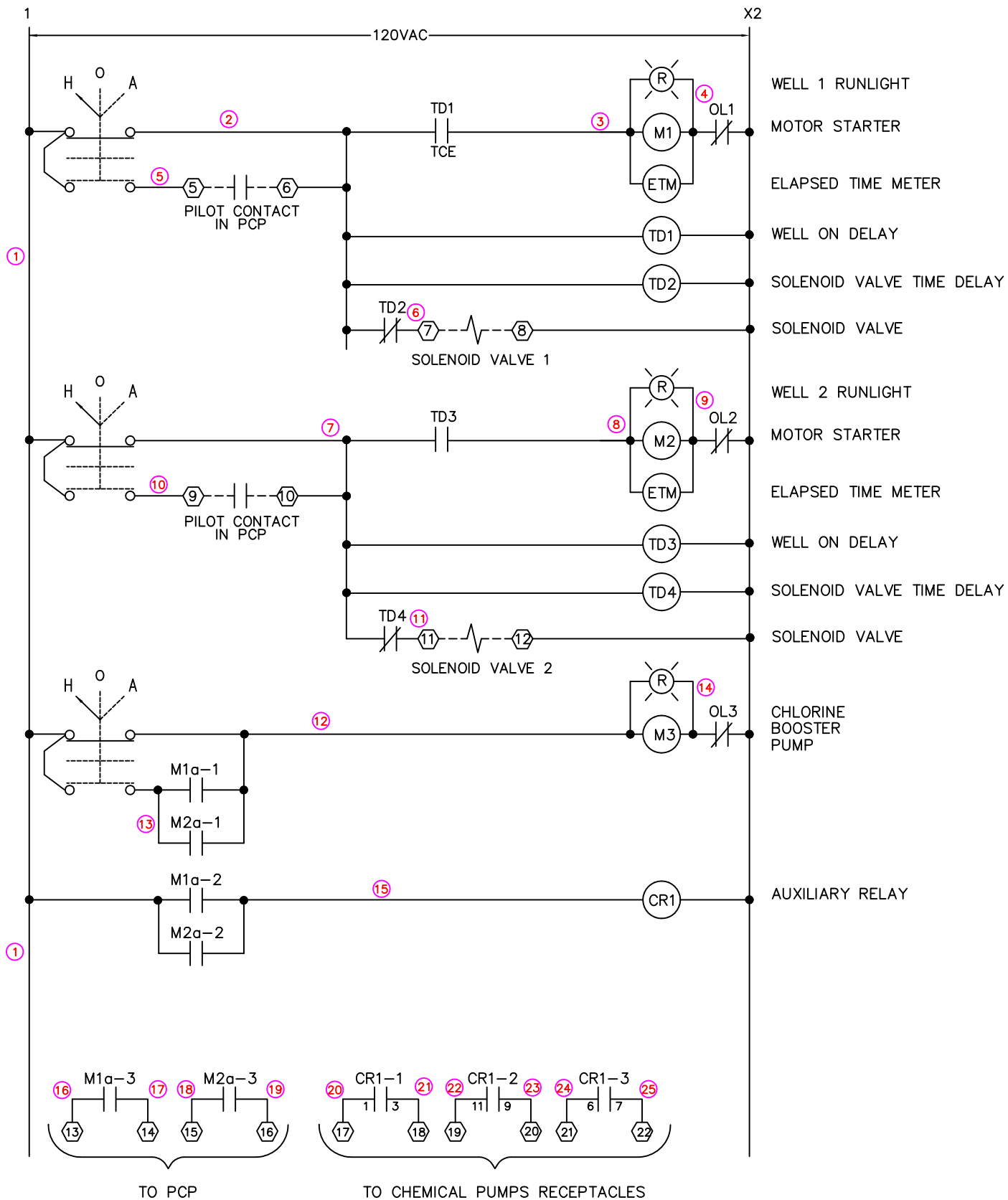
SOLD TO: HOLLIER ELECTRICAL SERVICE, INC.  
TAG : TOWN OF ARNAUDVILLE

SHIP TO: Delta Process - Denham Springs, LA

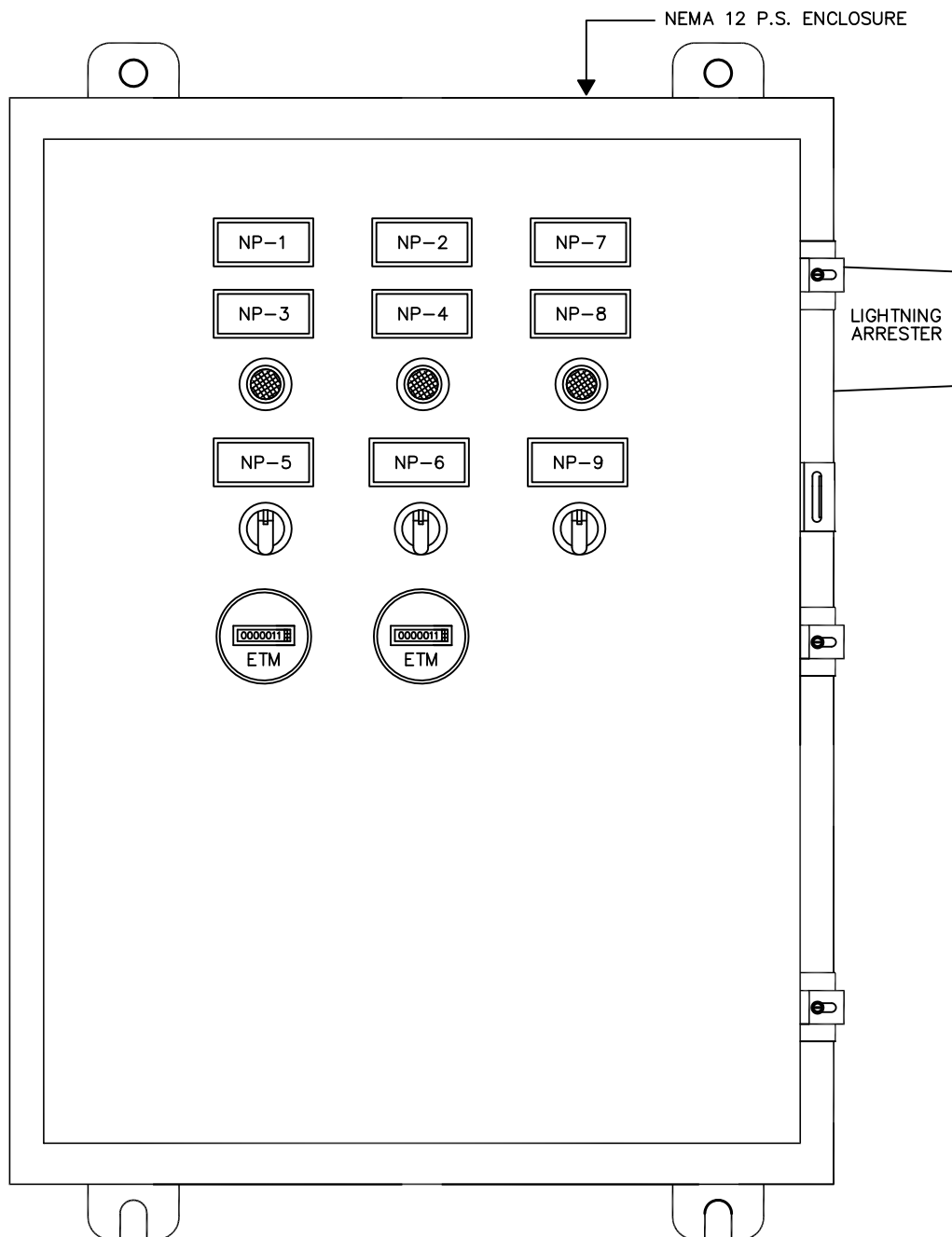
	Drawing Title						
	PANEL DESCRIPTION						
DATE 8/05/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1863 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						



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



DATE 8/05/04	Drawing Title									
	CONTROL DIAGRAM									
Project Title	DUPLIX PUMP CONTROL PANEL		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
			S/N		Sales Engineer C.C.		Application Engineer R.C.		BY	DATE
							DRAWN		APPROVED	
							BY C. RACHAL		PURCHASE ORDER NUMBER	
									DRAWING NUMBER	
									CP-1863	
									SHEET NUMBER	
									3	



VIEW OF FRONT OF ENCLOSURE

**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	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

DATE 8/05/04	Drawing Title								
	ENCLOSURE								
	Project Title		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	DUPLEX PUMP CONTROL PANEL		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		BY	DATE
						BY C. RACHAL		BY	DATE
								PURCHASE ORDER NUMBER	
								DRAWING NUMBER	
								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						
	BILL OF MATERIALS						
DATE 8/05/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <b>COX</b>  <small>Research and Technology, Inc.</small> </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1863 SHEET NUMBER 5
	DUPLEX PUMP CONTROL PANEL						