
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
KELLYLAND
RAPIDES PARISH

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

CP-1896

VOLTAGE	240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	4	
FLA	12.4	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		

CONTROL VOLTAGE	24V	(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		

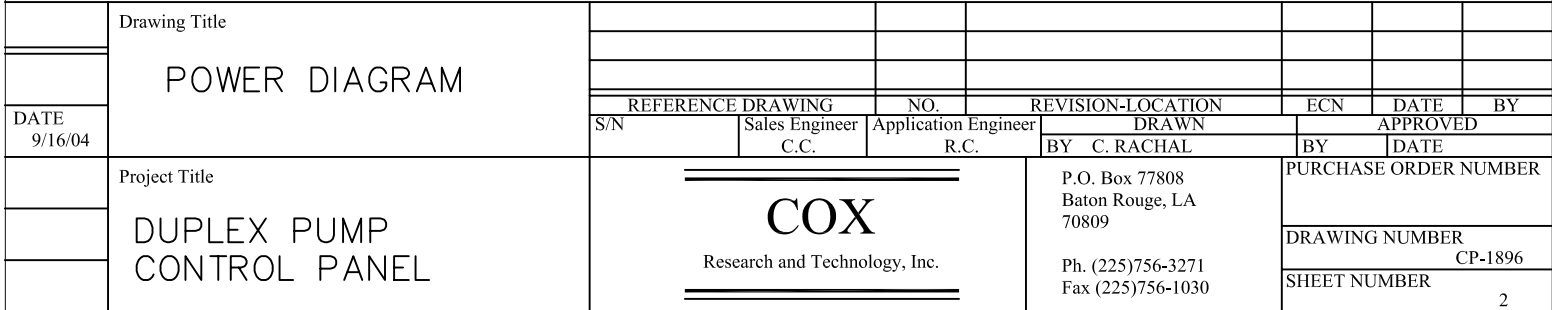
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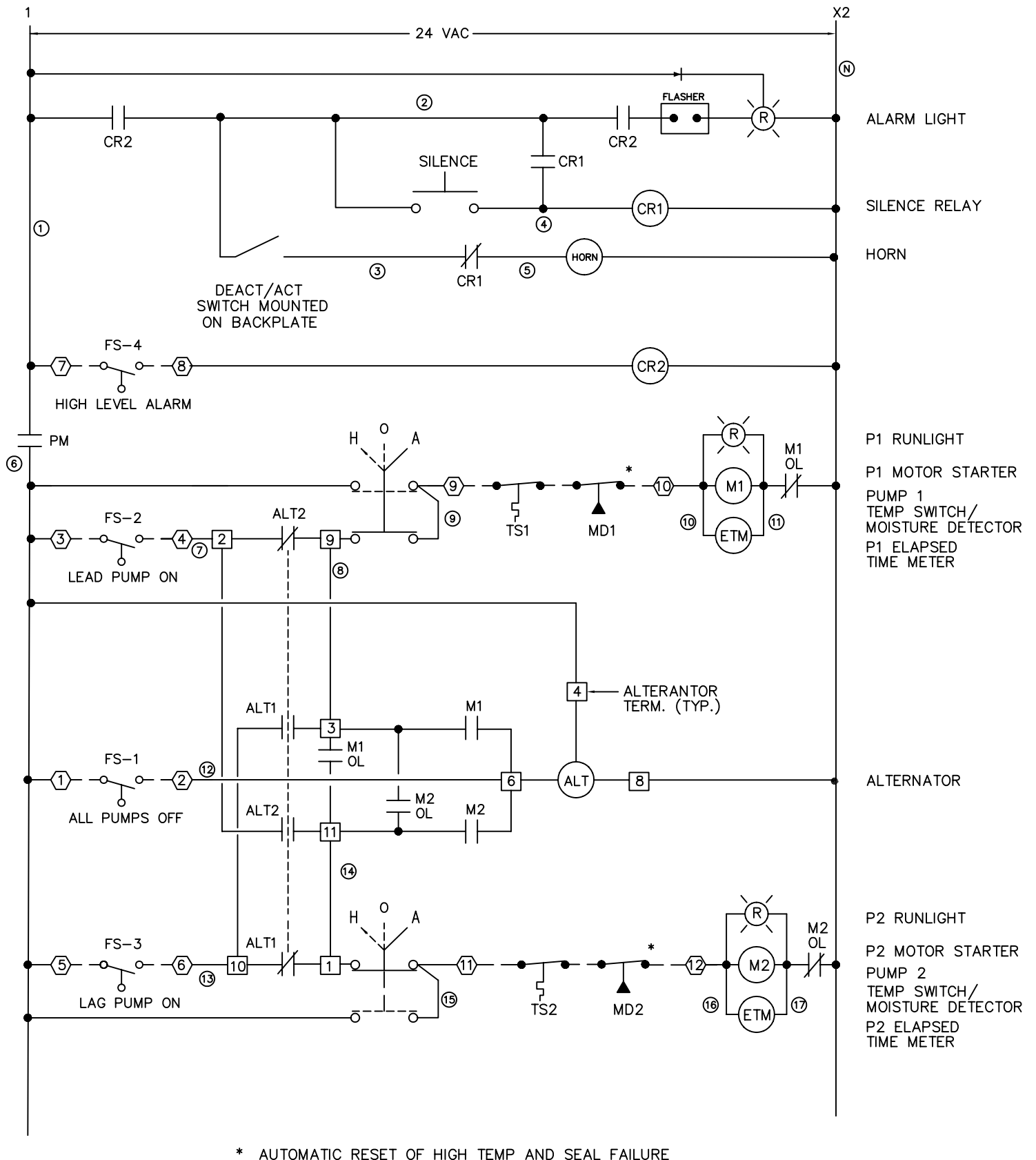
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	X	(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	X	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER	X	
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	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		
HEATER		

SOLD TO:	Delta Process -Ruston, LA
TAG :	KELLYLAND
	RAPIDES PARISH

SHIP TO:	Delta Process - Ruston, LA

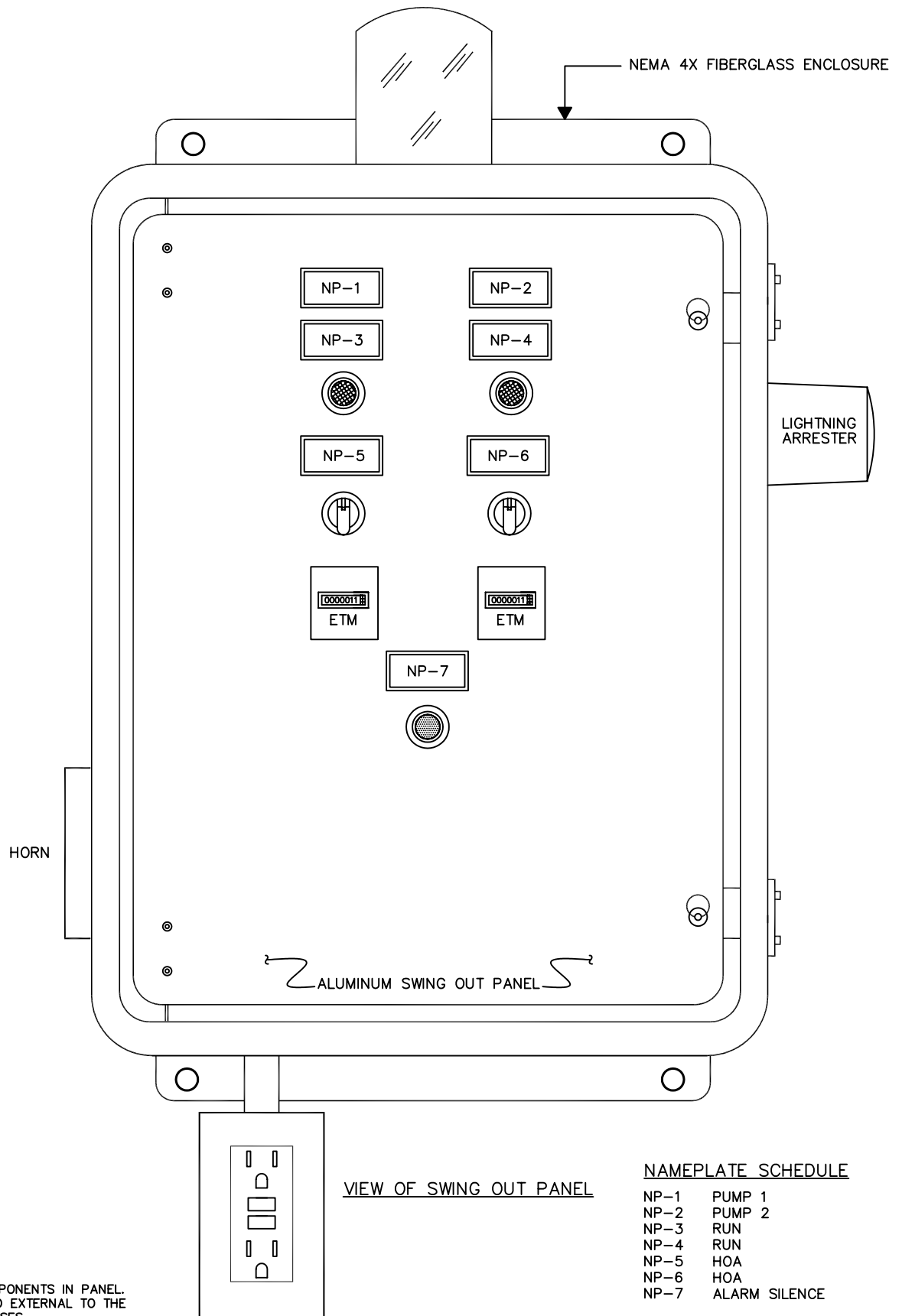
	Drawing Title						
	PANEL DESCRIPTION						
DATE 9/16/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1896
							SHEET NUMBER 1



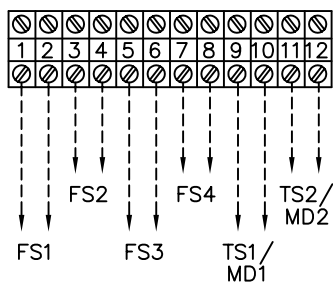
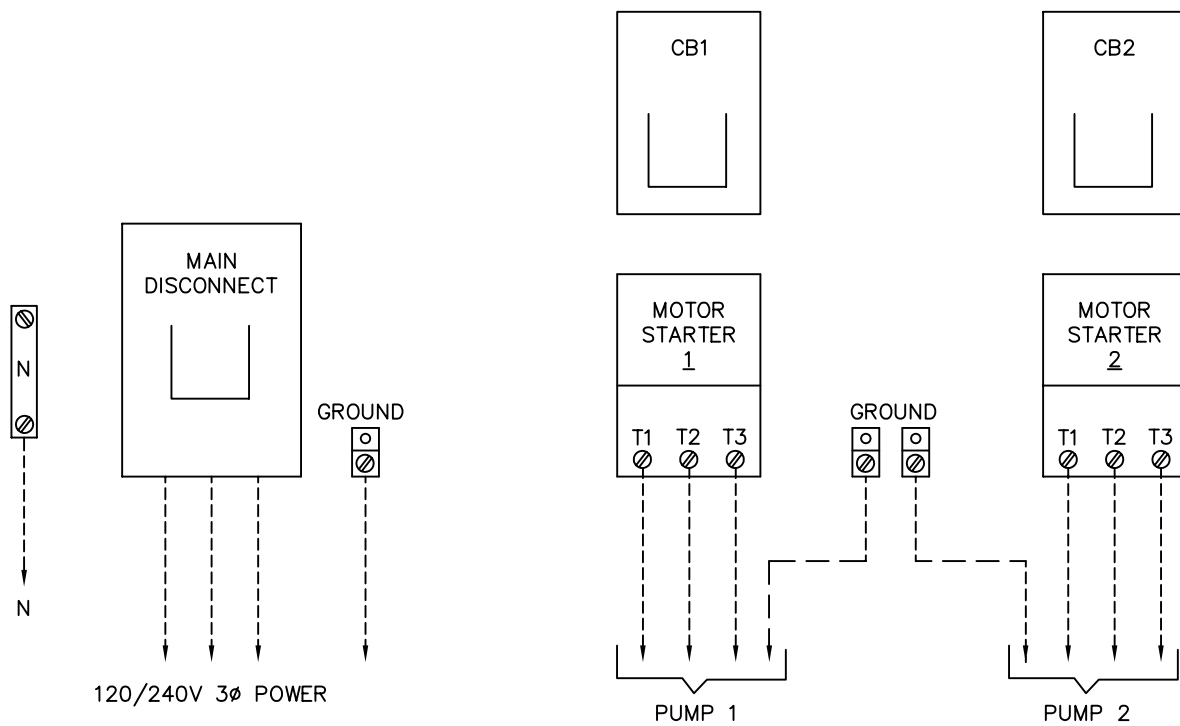


* AUTOMATIC RESET OF HIGH TEMP AND SEAL FAILURE

Drawing Title							
CONTROL DIAGRAM							
DATE		REFERENCE DRAWING		NO.		REVISION-LOCATION	
9/16/04		S/N		Sales Engineer		Application Engineer	
Project Title		C.C.		R.C.		BY C. RACHAL	
DUPLIX PUMP CONTROL PANEL		COX		Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	
						Ph. (225)756-3271 Fax (225)756-1030	
						PURCHASE ORDER NUMBER	
						DRAWING NUMBER	
						CP-1896	
						SHEET NUMBER	
						3	



DATE 9/16/04	Drawing Title							
	ENCLOSURE							
	Project Title					PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-1896		
						SHEET NUMBER 4		



FS1 – FLOAT SWITCH 1
 ALL PUMPS OFF
 FS2 – FLOAT SWITCH 2
 LEAD PUMP ON
 FS3 – FLOAT SWITCH 3
 LAG PUMP ON
 FS4 – FLOAT SWITCH 4
 HIGH LEVEL ALARM
 TS1/MD1 – TEMP. SWITCH/MOISTURE DETECTOR 1
 TS2/MD2 – TEMP. SWITCH/MOISTURE DETECTOR 2

	Drawing Title						
	EXTERNAL CONNECTIONS						
DATE 9/16/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title			BY C. RACHAL		APPROVED	
	DUPLEX PUMP CONTROL PANEL					PURCHASE ORDER NUMBER	
						DRAWING NUMBER CP-1896	
						SHEET NUMBER	5

COX

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BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A16-30-10-81	MOTOR STARTER
4	2	ABB	TA25DU14	O.L. RELAY (10-14A)
5	2	SQUARE D	QOU325	CB1, CB2
6	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
7	2	ACI	JR22P3M20B	HOA SWITCH
8	2	ACI	JR22FR	RED LIGHT
9	1	AC/DC	BL5-R-24	ALARM LIGHT
10	1	DELTA	LA603	LIGHTNING ARRESTER
11	2	REDINGTON	711-0187	ETM
12	1	EDWARDS	870P-G5	ALARM HORN
13	1	ACI	JR22AN11B	PB
14	1	SSAC	PLMU11	PHASE MONITOR
15	1	SSAC	FS146RC	FLASHER
16	1	STOCK		GFI RECEPTACLE
17	1	SQUARE D	QOU115	CB 3
18	1	OMRON	G2R2SAC24	CR 1
19	1	MARATHON	1323580	DISTRIBUTION BLOCK
20				
21				
22				
23				
24				
25				

	Drawing Title						
	BILL OF MATERIALS						
DATE 9/16/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> COX <small>Research and Technology, Inc.</small> </div>			PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP-1896</div>		
	CONTROL PANEL				SHEET NUMBER <div style="text-align: right;">6</div>		

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