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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
ADDIS 40HP

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

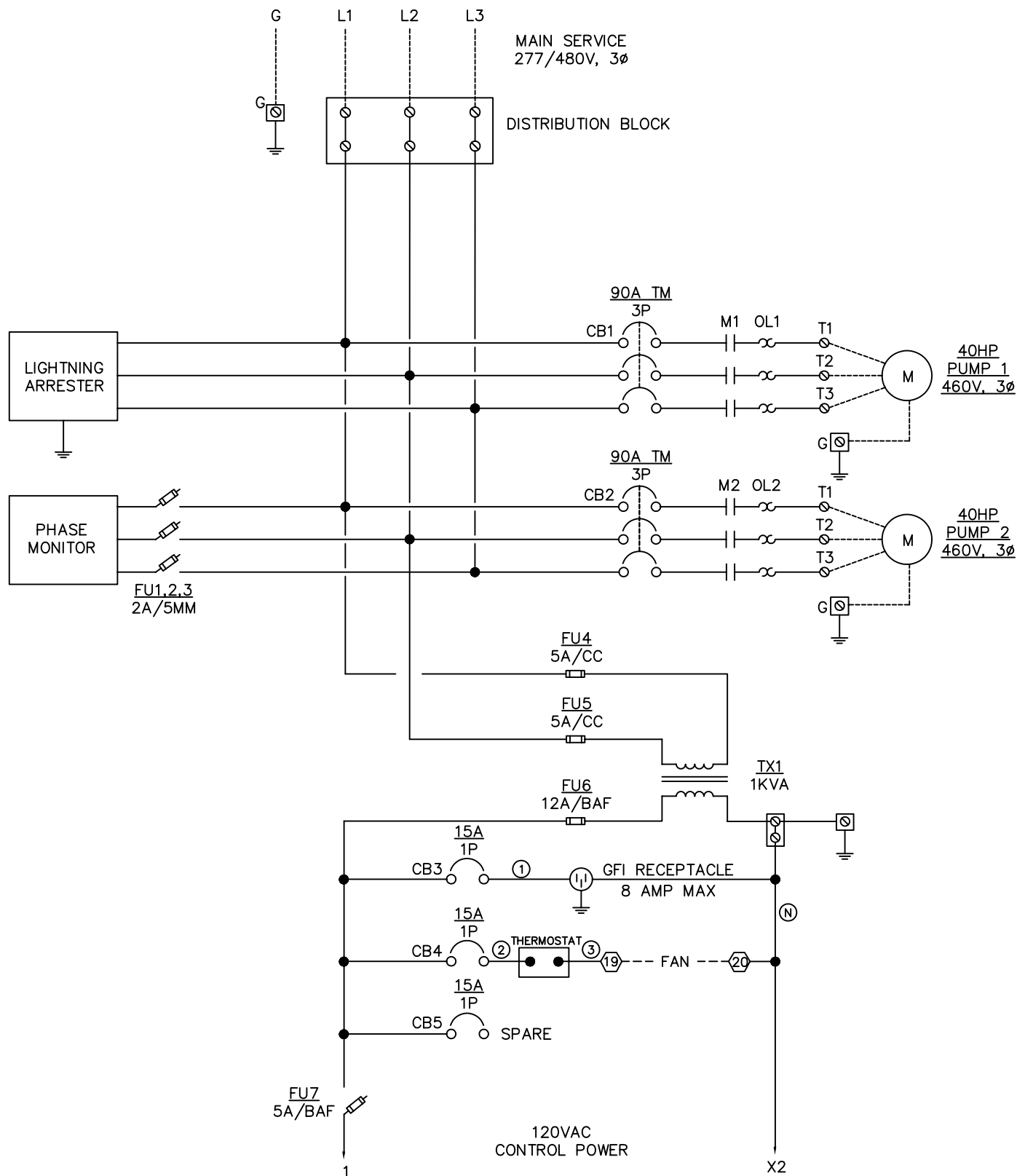
CP-2070

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R Gasketed	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless Steel	(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		

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	X_____	
ALARM LIGHT	X_____	
LIGHT PANEL MTD	_____	
LIGHT REMOTE MTD	X_____	
LIGHT FLASHER	_____	
LIGHTNING ARRESTER	X_____	
ELAPSED TIME METER	X_____	
PHASE MONITOR	X_____	
NEMA RATED STARTERS	X_____	
GROUND FAULT RECPT.	X_____	
GREEN RUN LIGHTS VS. RED	_____	
POLE, BOX, SEAL	_____	
INTRINSICALLY SAFE RELAYS	_____	
HIGH TEMP. LOCKOUT, MANUAL RESET	_____	
ECONOMY VERSION	_____	

SHIP TO: Delta Process - Ruston, LA

[illegible]



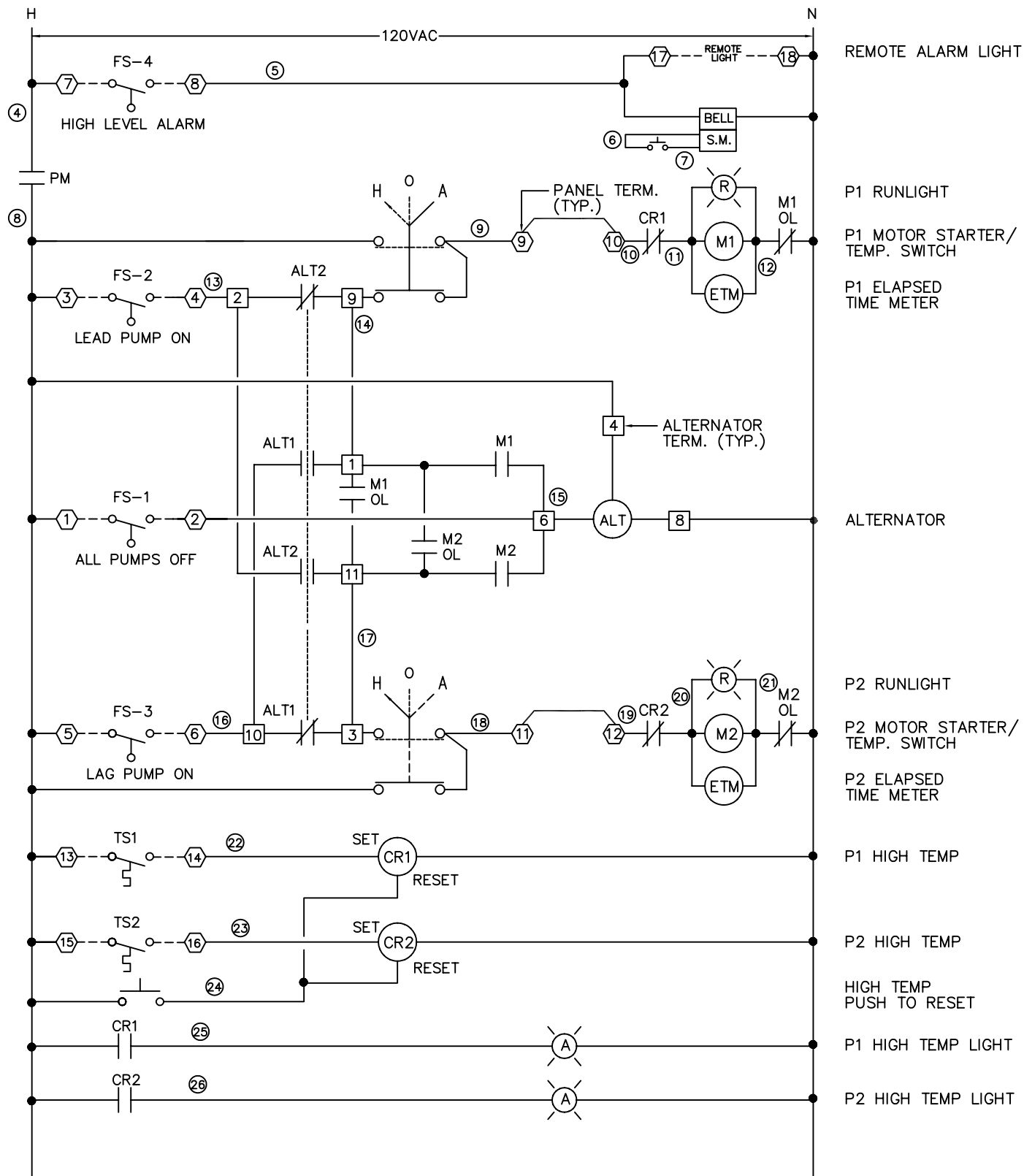
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	POWER DIAGRAM								
DATE 6/07/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	APPROVED	
	Project Title				BY C. RACHAL				PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL								DRAWING NUMBER CP-2070
									SHEET NUMBER 2

**COX**

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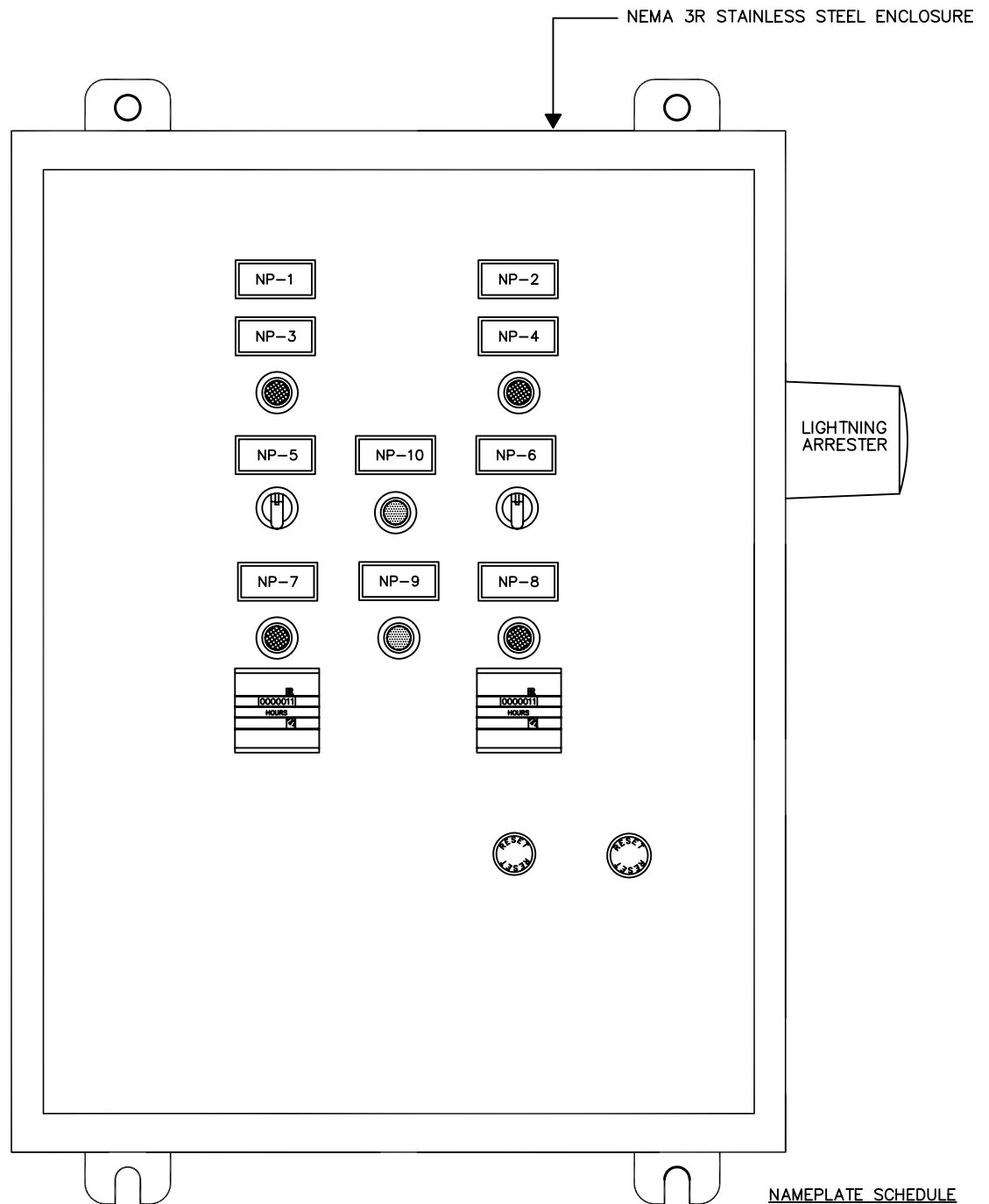
Drawing Title							
CONTROL DIAGRAM							
DATE		REFERENCE DRAWING		NO.		REVISION-LOCATION	
6/07/05		S/N		Sales Engineer		Application Engineer	
Project Title		C.C.		R.C.		BY C. RACHAL	
DUPLIX PUMP CONTROL PANEL						APPROVED	
						BY	
						DATE	
						PURCHASE ORDER NUMBER	
						DRAWING NUMBER	
						CP-2070	
						SHEET NUMBER	
						3	

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**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 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/PUSH TO RESET  
NP-10 ALARM SILENCE

	Drawing Title							
	ENCLOSURE							
DATE 6/07/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	COX 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-2070		
						SHEET NUMBER 4		

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S302410REPL	ENCLOSURE
1a	1	EBE	A3024SP	SWING PANEL
1b	1	EBE	3024P	BACK PLATE
2	1	BUSSMAN	16332-3	DISTRIBUTION BLOCK
3	2	ABB	A75N3-30-11-84	MOTOR STARTER
4	2	ABB	TA75DU63	O.L. RELAY (45-63A)
5	2	ABB	SIN090TL	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	LUMAPRO	3RB24	REMOTE ALARM LIGHT
10	1	DELTA	LA603	LIGHTNING ARRESTER
11	1	SSAC	PLMU-11	PHASE MONITOR
12	2	REDINGTON	711-0190	ELAPSED TIME METER
13	1	SAGINAW	SCE-TEMNC	THERMOSTAT
14	3	SQUARE D	QOU115	CB3,4,5
15	1	SQUARE D	9070TF1000D1	TRANSFORMER
16	2	MAGNECRAFT	W388AMLCPX-9	LATCHING RELAYS
17	2	ACI	JR22FY	YELLOW PILOT LIGHT
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 6/07/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER <div style="text-align: right;">CP-2070</div> SHEET NUMBER <div style="text-align: right;">5</div>
	DUPLEX PUMP CONTROL PANEL						