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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
MOSSPOINT - YATES

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

CP-2156

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	7.5	
FLA	11 (EST)	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	G-R	
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	Floats	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

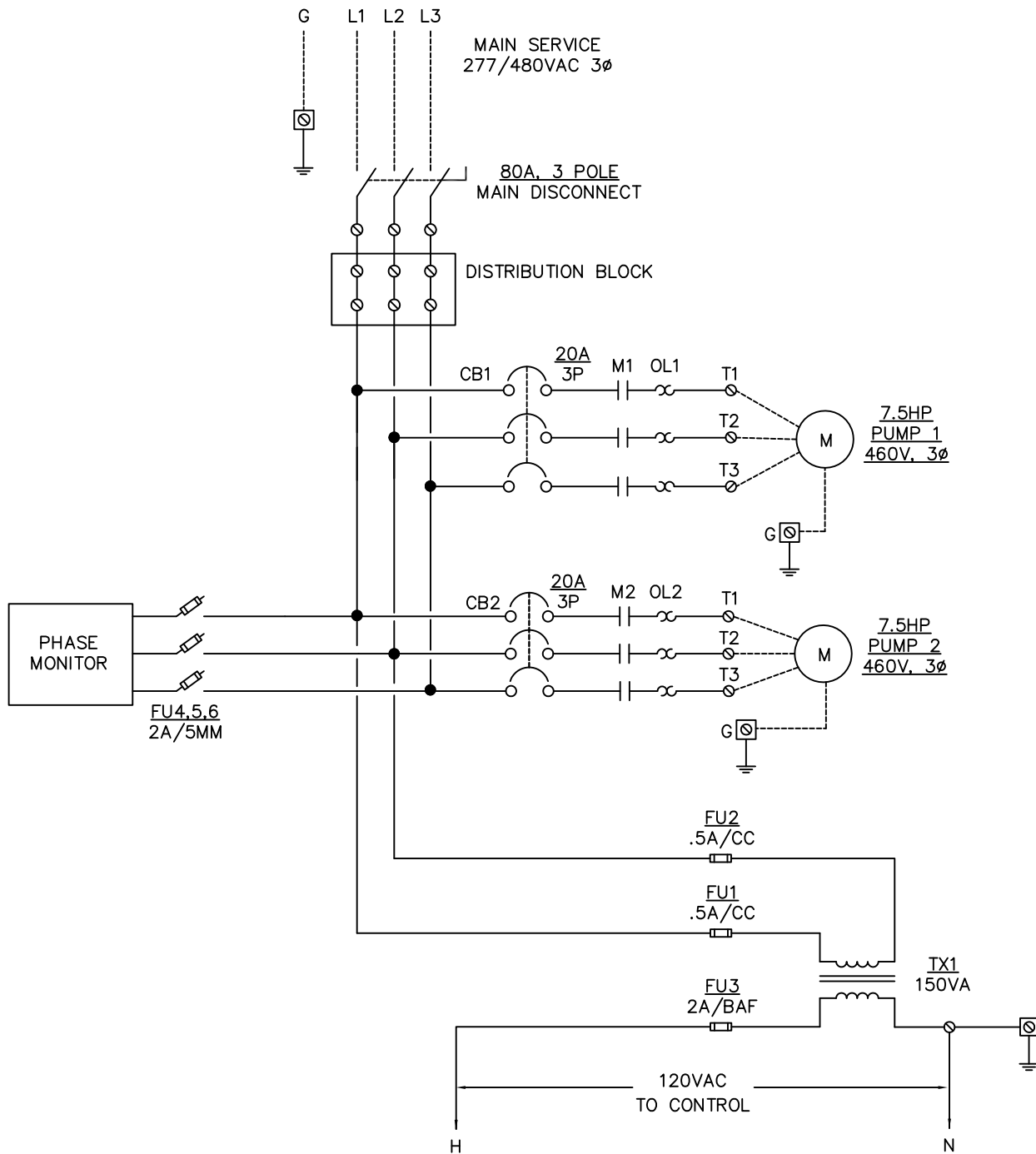
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
PHASE MONITOR	X	
NEMA RATED STARTERS	X ABB	
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 - Mobile, AL  
TAG : MOSSPOINT - YATES

SHIP TO: Delta Process - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 9/19/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title  DUPLIX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER
							DRAWING NUMBER CP-2156
							SHEET NUMBER 1



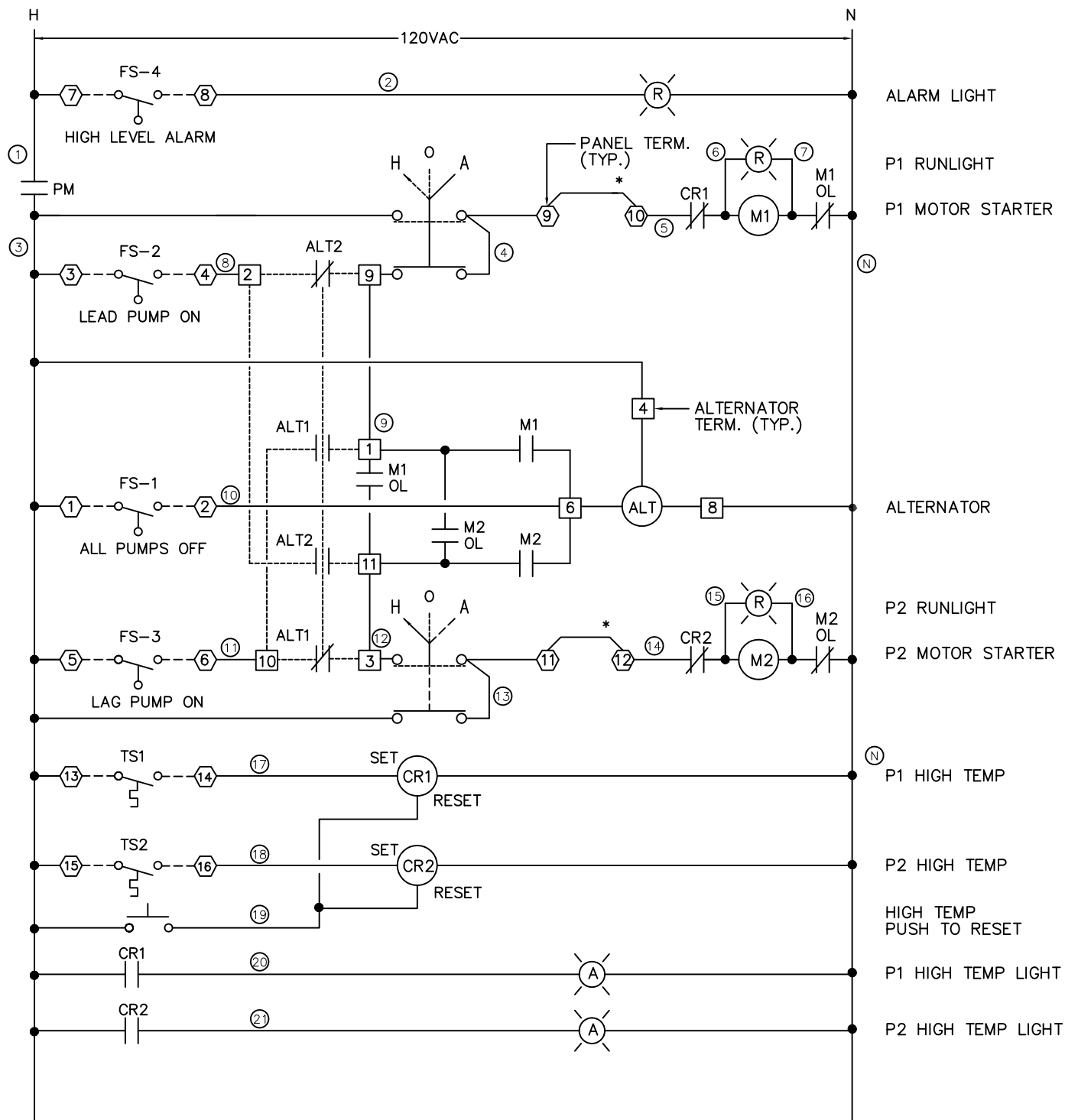
	Drawing Title								
	POWER DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
9/19/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL		APPROVED		
	Project Title							PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER	CP-2156
								SHEET NUMBER	2

**COX**

Research and Technology, Inc.

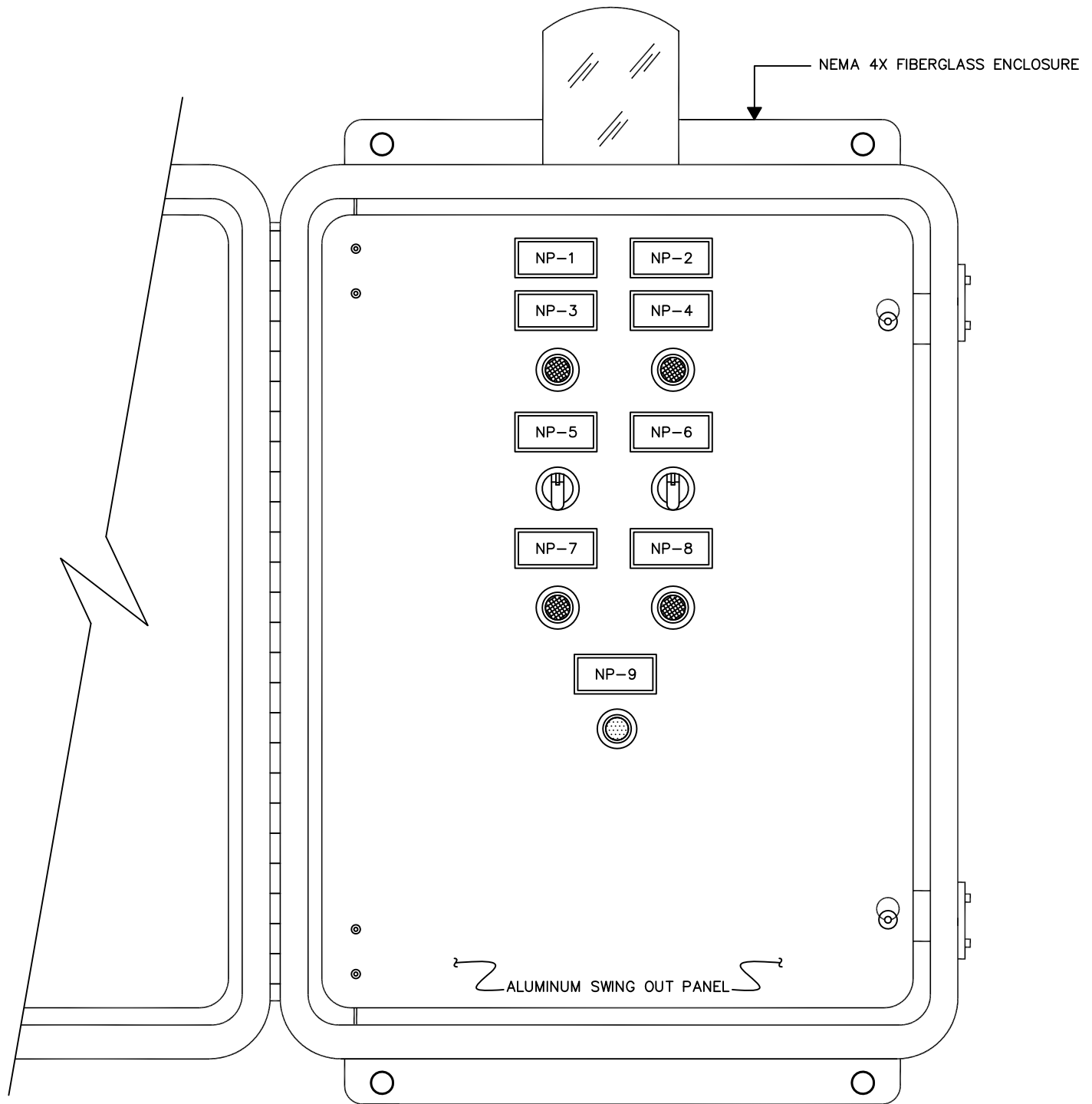
P.O. Box 77808  
Baton Rouge, LA  
70809

Ph. (225)755-3271  
Fax (225)755-1030



\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

Drawing Title	CONTROL DIAGRAM					
DATE 9/19/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
Project Title	S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED	PURCHASE ORDER NUMBER
DUPLEX PUMP CONTROL PANEL	COX		Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	DRAWING NUMBER CP-2156
					Ph. (225)756-3271 Fax (225)755-1030	SHEET NUMBER 3



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

Drawing Title									
ENCLOSURE									
DATE	9/19/05	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					PURCHASE ORDER NUMBER				
DUPLEX PUMP CONTROL PANEL		<div style="text-align: center;"> <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2156  SHEET NUMBER 4		

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816	BACKPLATE
2	2	ABB	A26N1-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU14	O.L. RELAY (10-14A)
4	2	ABB	S1N020TL	CIRCUIT BREAKER
5	2	ACI	JR22FR	RED PILOT LIGHT
6	2	ACI	JR22P3M20B	HOA SWITCH
7	1	ABB	OT63E3	DISCONNECT SWITCH
8	1	SQUARE D	9070TF150D1	TRANSFORMER
9	1	SSAC	PLMU-11	PHASE MONITOR
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	2	ACI	JR22FY	AMBER PILOT LIGHT
12	1	ACI	JR22AN11B	PUSH BUTTON
13	2	MAGNECRAFT	W388AMLCPX-9	LATCHING RELAYS
14	1	TIMEMARK	261DT120	ALTERNATING RELAY
15	1	AC/DC	BL5-R-120	ALARM LIGHT
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	BILL OF MATERIALS						
DATE 9/19/05		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-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <b>COX</b>            Research and Technology, Inc.         </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2156 SHEET NUMBER 5
	DUPLEX PUMP CONTROL PANEL						