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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL

FAMCAMP AT BARKSDALE AFB

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

CP-2328-A

VOLTAGE	120/230V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	9	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	SGVF2062L	
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		

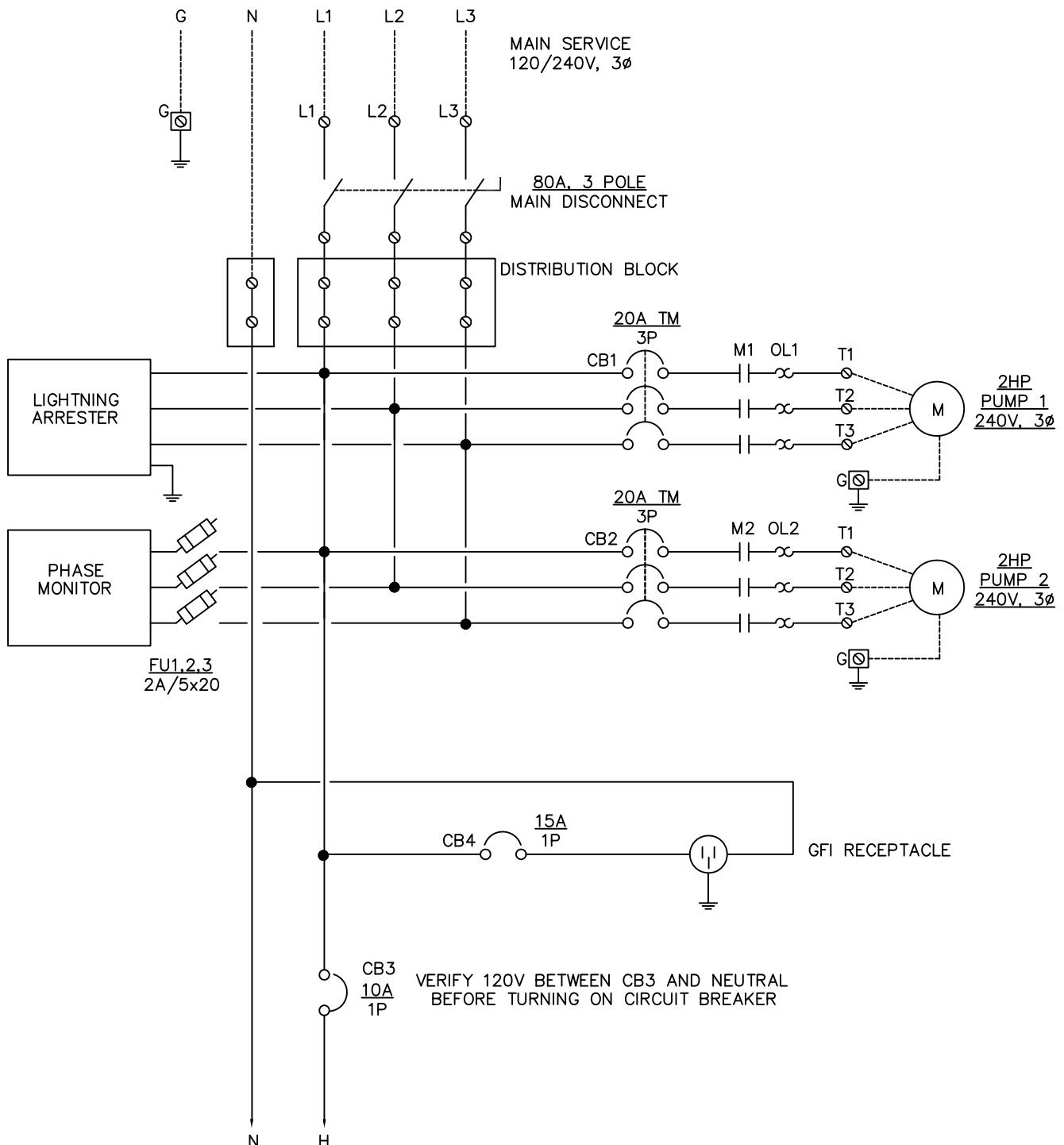
OPTIONS:

SEAL FAIL LIGHTS	X	(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	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS	X (ABB)	
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

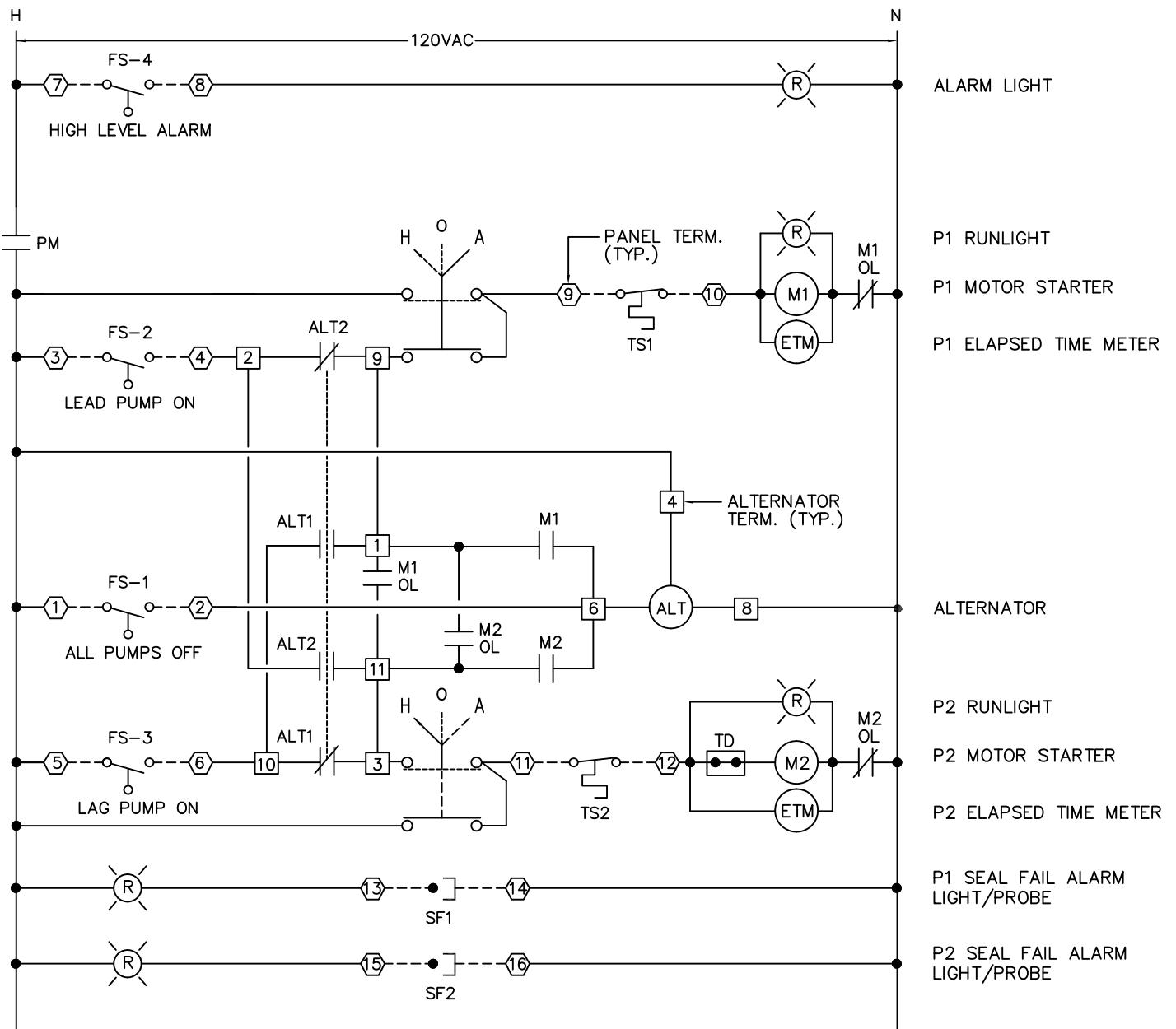
SOLD TO: Delta Process - Bossier City, LA  
 TAG : FAMCAMP, BARKSDALE AFB

SHIP TO: Delta Process - Ruston, LA

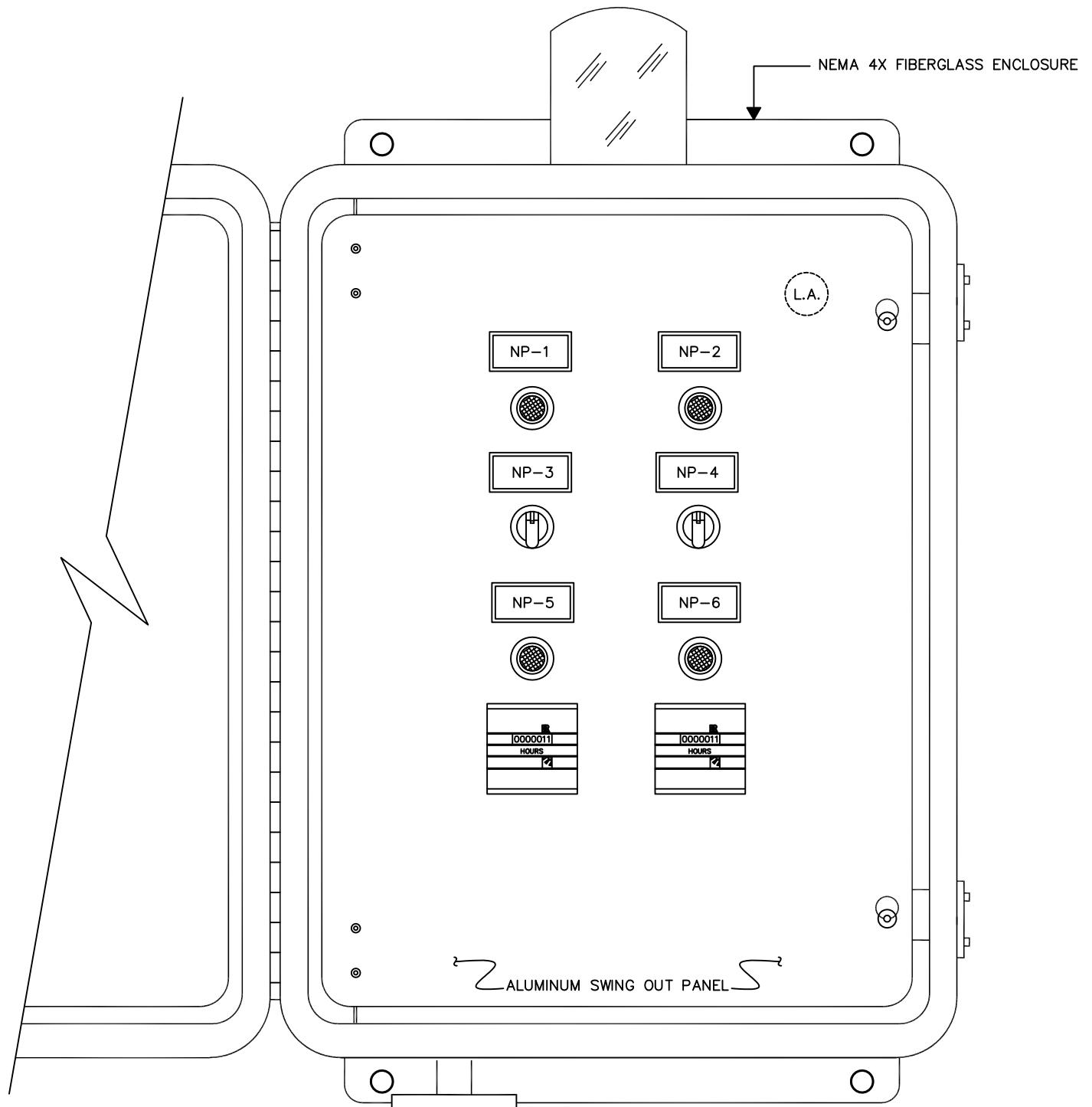
Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO. R.C.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.		Application Engineer	DRAWN BY C. RACHAL/CJC			
DATE 10/12/06	Project Title  DUPLEX PUMP CONTROL PANEL	COX	Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER				
				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2472				
					SHEET NUMBER 1				



	Drawing Title						
	POWER DIAGRAM						
DATE 10/12/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL/CJC	DATE APPROVED BY DATE		
Project Title DUPLEX PUMP CONTROL PANEL	<b>COX</b> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2472 SHEET NUMBER 2		



	Drawing Title <b>CONTROL DIAGRAM</b>				
<b>DATE</b> 10/12/06	<b>REFERENCE DRAWING</b> S/N	<b>NO.</b> Sales Engineer	<b>REVISION-LOCATION</b> Application Engineer	<b>ECN</b>	<b>DATE</b>
		C.C.	R.C.	DRAWN BY C. RACHAL/CJC	APPROVED BY DATE
	Project Title <b>DUPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.		<b>P.O. Box 77808</b> Baton Rouge, LA 70809	<b>PURCHASE ORDER NUMBER</b>
					<b>DRAWING NUMBER</b> CP-2472
				<b>Fax (225)755-1030</b>	<b>SHEET NUMBER</b> 3

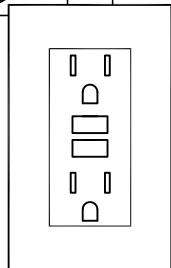


VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1/RUN
NP-2	PUMP 2/RUN
NP-3	HOA
NP-4	HOA
NP-5	SEAL FAIL
NP-6	SEAL FAIL

**NOTE:**  
SEWER GASES WILL DESTROY COMPONENTS IN PANEL.  
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE  
PANEL TO PREVENT ENTRY OF GASES.



	Drawing Title					
	ENCLOSURE					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 10/12/06	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
	C.C.		R.C.	BY C. RACHAL/CJC	BY DATE	
	Project Title	<hr/> <hr/> <hr/> <b>COX</b> <hr/> <hr/>			PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			DRAWING NUMBER	
					CP-2472	
					SHEET NUMBER	
					4	

## BILL OF MATERIALS

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	A16NO-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU11	O.L. RELAY (7.5-11A)
5	2	SQUARE D	QOU320	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	1	MARATHON	1321580	NEUTRAL BLOCK
12	1	SSAC	PLMU11	PHASE MONITOR
13	1	DELTA	LA603	LIGHTNING ARRESTER
14	2	REDINGTON	711-0190	ETM
15	1	SQUARE D	QOU110	CB3
16	1	SQUARE D	QOU115	CB4
17	1	STOCK		GFI RECEPTACLE
18	1	DAYTON	2A561	TIME DELAY
19				
20				
21				
22				
23				
24				
25				

	Drawing Title							
	BILL OF MATERIALS							
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE
DATE 10/12/06			S/N	Sales Engineer	Application Engineer	DRAWN	BY	APPROVED
			C.C.		R.C.	BY C. RACHAL/CJC	BY	DATE
	Project Title		COX		PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.		DRAWING NUMBER CP-2472			
					SHEET NUMBER 5			