
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL LIFT STATION 22

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

CP-2232

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	5	
FLA	39	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
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	Yes	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

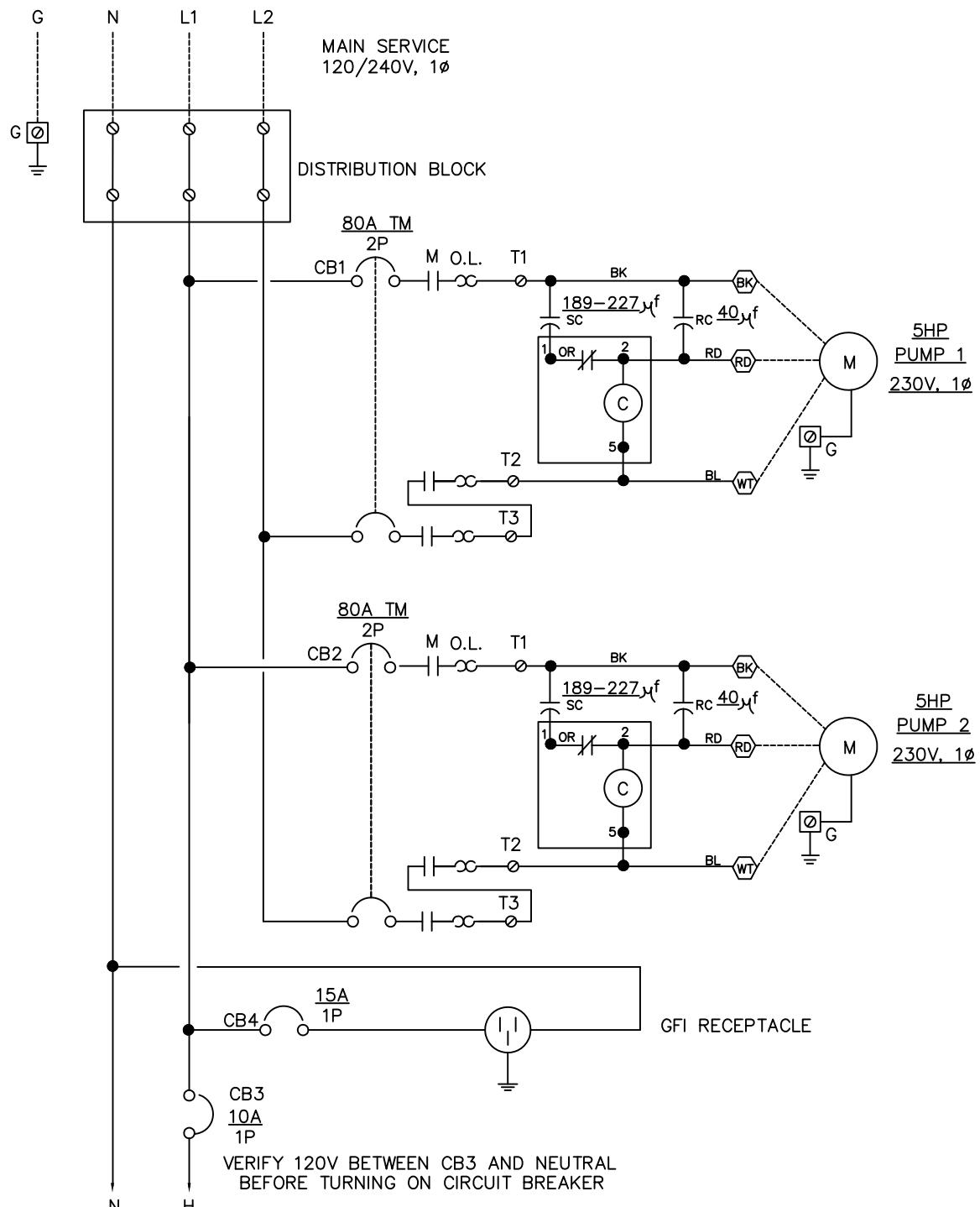
OPTIONS:

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 ARRESTOR	X	
ELAPSED TIME METER	X	
PHASE MONITOR		
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	X	

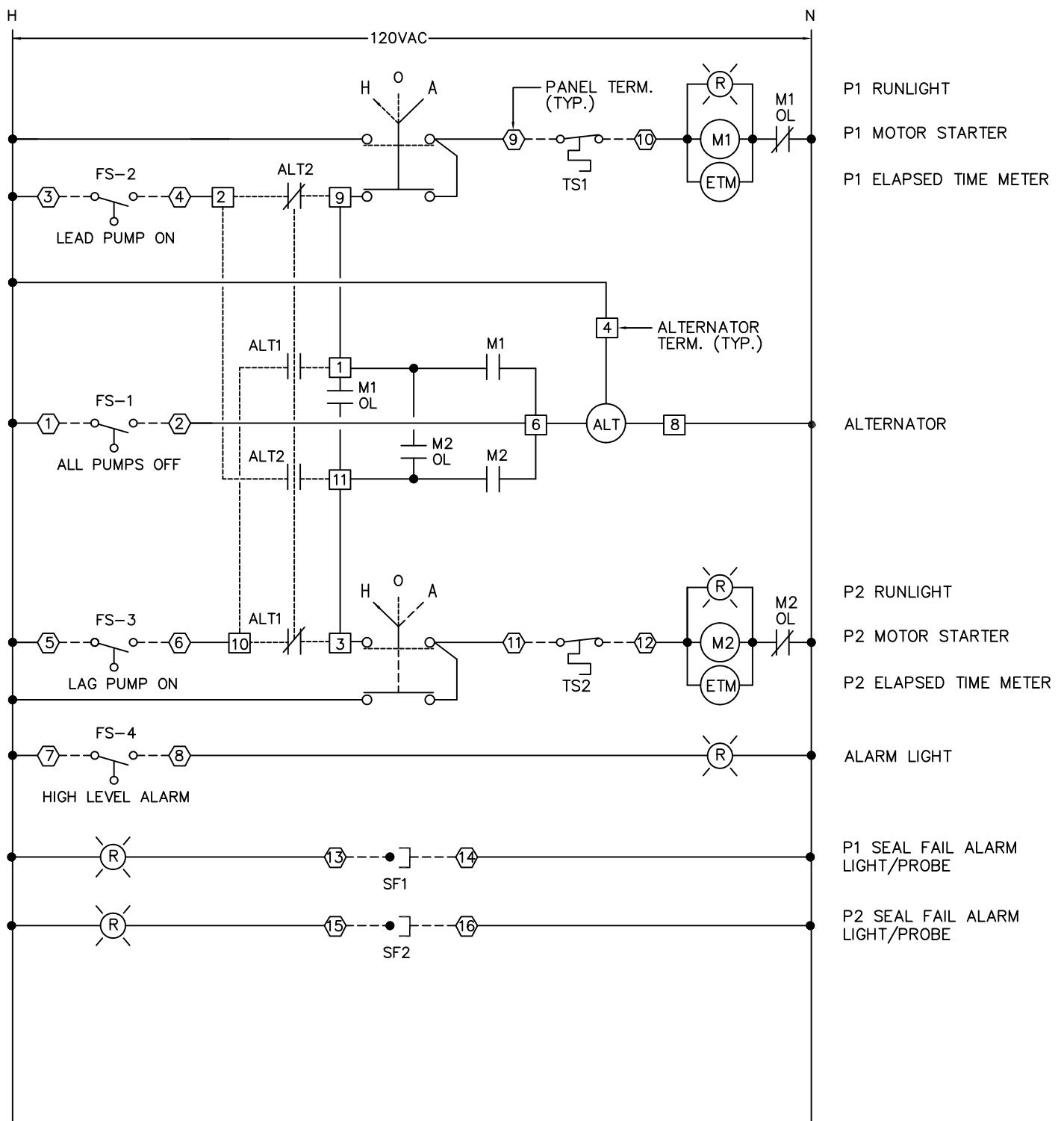
SOLD TO: Delta Process - Bossier City, LA
TAG : Lift Station 22

SHIP TO: Delta Process - Ruston, LA

DATE 12/09/05	Drawing Title PANEL DESCRIPTION	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY			
	Project Title DUPLEX PUMP CONTROL PANEL				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
					Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER	CP-2232	
							SHEET NUMBER		1



	Drawing Title POWER DIAGRAM			
DATE 12/09/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL APPROVED BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <hr/> Research and Technology, Inc. <hr/>	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2232 SHEET NUMBER 2



Drawing Title

CONTROL DIAGRAMDATE
12/09/05

Project Title

**DUPLEX PUMP
CONTROL PANEL**

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

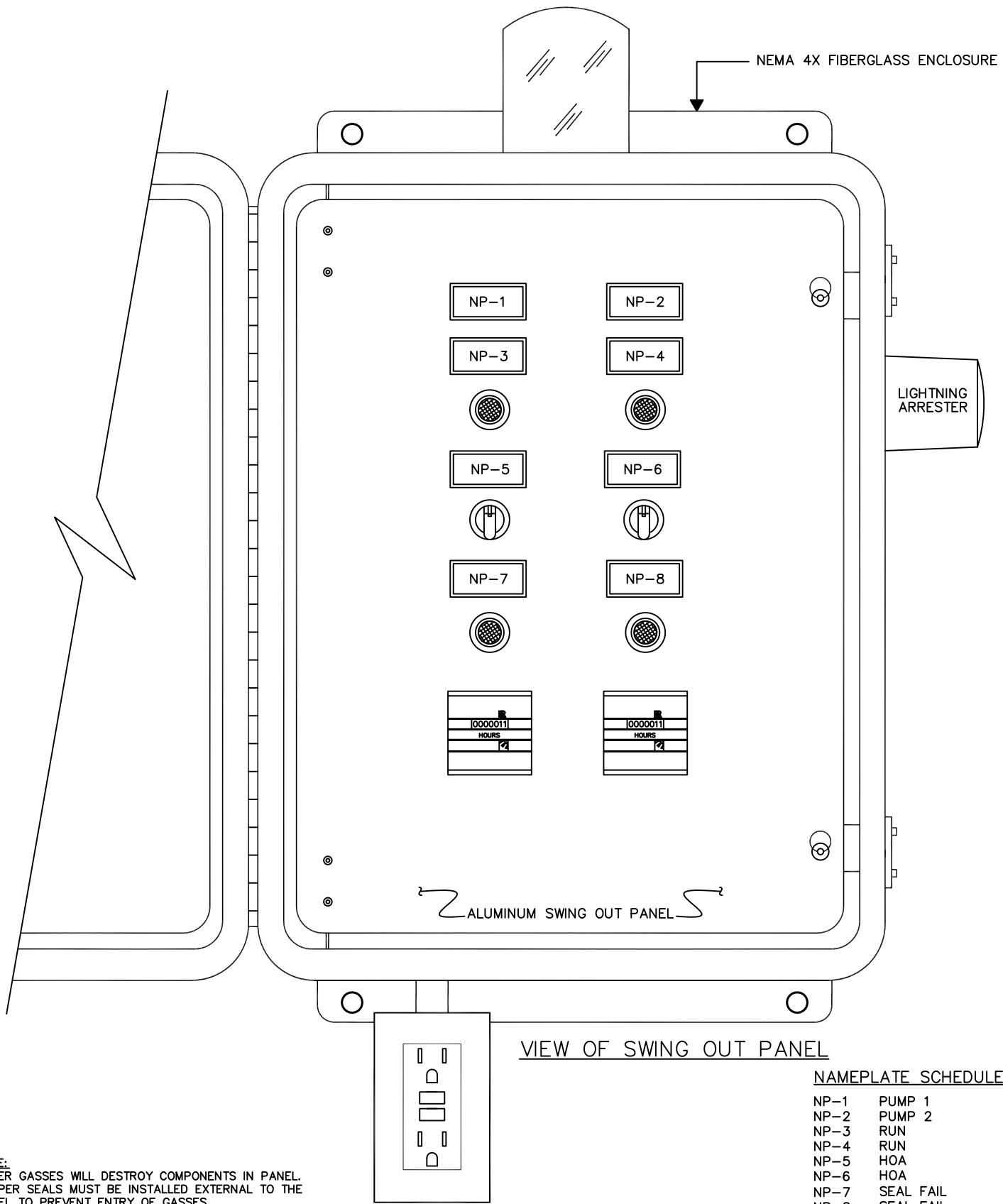
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PURCHASE ORDER NUMBER

DRAWING NUMBER CP-2232

SHEET NUMBER 3



	Drawing Title					
	ENCLOSURE					
DATE 12/09/05	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					
	DUPLEX PUMP CONTROL PANEL	COX 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-2232 SHEET NUMBER 4		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	2	ABB	A40-30-10-84	MOTOR STARTER
4	2	ABB	TA42DU42	O.L. RELAY (29-42A)
5	2	SQUARE D	QUO280	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-R120	ALARM LIGHT
10	1	SQUARE D	QUO115	CB4
11	1	DELTA	LA302R	LIGHTNING ARRESTER
12	1	STOCK		GFI RECEPTACLE
13	1	SQUARE D	QUO110	CB3
14	2	REDINGTON	711-0190	ELAPSED TIME METER
15				
16				
17				
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	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 12/09/05			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
			C.C.		R.C.	BY C. RACHAL	BY	DATE	
	Project Title		COX			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030			
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.						
						PURCHASE ORDER NUMBER			
						DRAWING NUMBER CP-2232			
						SHEET NUMBER 5			