
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
STANDARD
MEYERS WG20
230V,1Ø,12FLA

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

CP-1506

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	2	
FLA	12	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Meyers	
CATALOG NUMBER	WG20	

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	M	
THERM. & SEAL FAIL WIRING FIGURE	1, 6, 8	

OPTIONS:

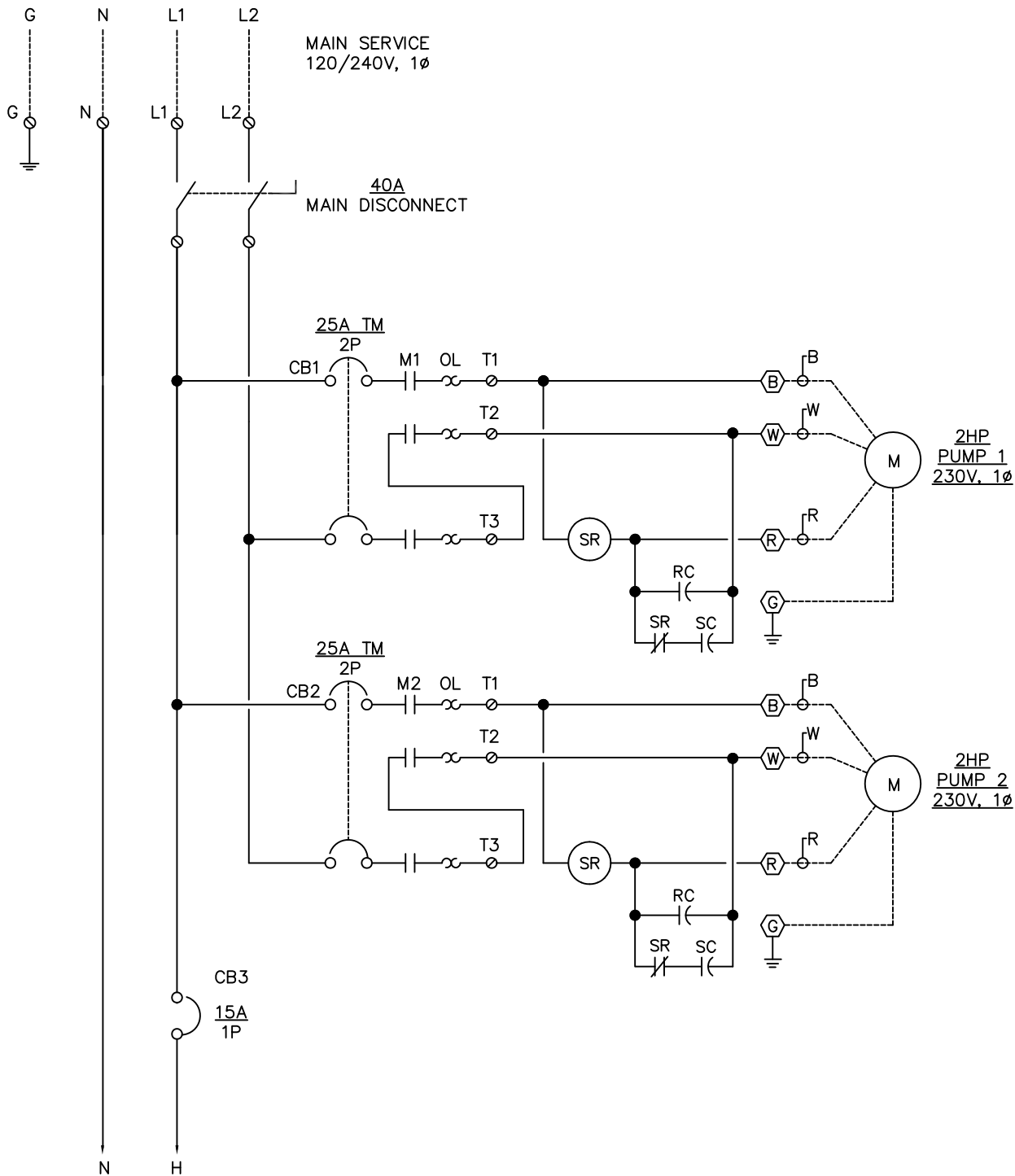
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: _____

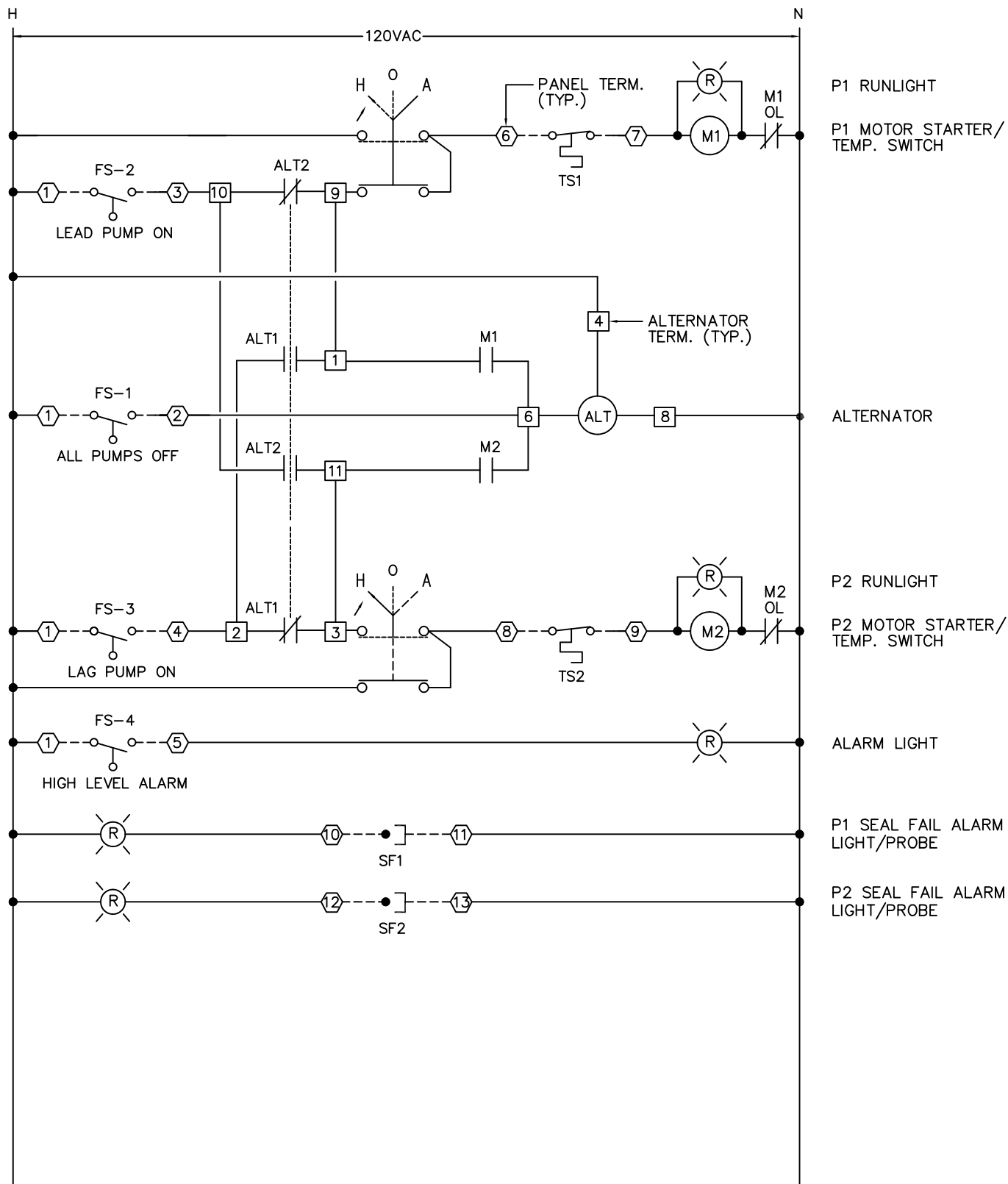
TAG : _____

SHIP TO: _____

	Drawing Title						
	PANEL DESCRIPTION						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
12/09/02		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR	APPROVED BY	DATE
	Project Title	<div style="text-align: center;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1506 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						



	Drawing Title								
	POWER DIAGRAM								
DATE 12/09/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY M.S.	ECN	DATE	BY	APPROVED
	Project Title	COX				PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.				DRAWING NUMBER CP-1506			
		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030				SHEET NUMBER 2			



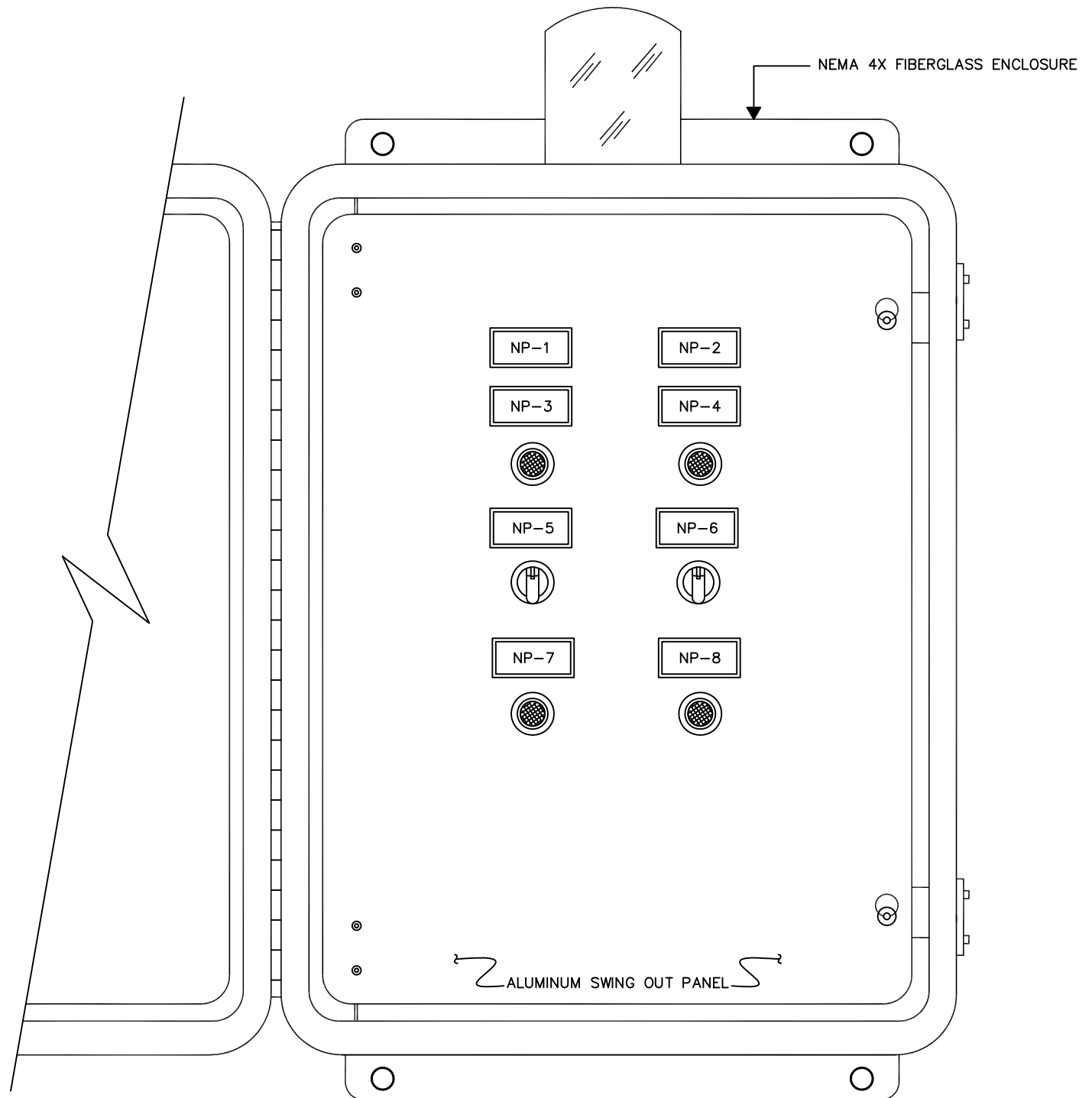
	Drawing Title								
	CONTROL DIAGRAM								
DATE	12/09/02	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY	M.S.	BY	DATE	
	Project Title								PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL								DRAWING NUMBER CP-1506
									SHEET NUMBER 3

COX

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VIEW OF SWING OUT 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	SEAL FAIL
NP-8	SEAL FAIL

NOTE:

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

DATE 12/09/02	Drawing Title								
	ENCLOSURE								
	Project Title		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
	DUPLEX PUMP CONTROL PANEL		S/N		Sales Engineer C.C.		Application Engineer R.C.		DATE
							DRAWN		BY
							BY		DATE
							PURCHASE ORDER NUMBER		
							DRAWING NUMBER		
							SHEET NUMBER		

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DRAWING NUMBER
CP-1506

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1614HWPL	ENCLOSURE
1a	1	VYNCKIER	BP1614AL	BACKPLATE
2	1	ACI	XA324BY	MAIN DISC. SWITCH
3	2	SQUARE D	8911DPS013V02	MOTOR STARTER
4	2	SQUARE D	B17.5	O.L. RELAY (12-14A)
5	2	SQUARE D	QOU225	CB1, CB2
6	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	INGRAM	MX-15	ALARM LIGHT
10	1	SQUARE D	QOU115	CB3
11	1	ACI	G979005	SHAFT
12	1	ACI	XXMN2Y	HANDLE
13				
14				
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24				
25				

	Drawing Title							
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>							
DATE 12/09/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE	BY
		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div> <div style="text-align: left;"> <p>P.O. Box 77808 Baton Rouge, LA 70809</p> <p>Ph. (225)756-3271 Fax (225)756-1030</p> </div> </div>			APPROVED BY		DATE	
	Project Title	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 60%;"> <h2 style="margin: 0;">DUPLEX PUMP CONTROL PANEL</h2> </div> <div style="width: 35%; text-align: right;"> <p>PURCHASE ORDER NUMBER</p> <hr/> <p>DRAWING NUMBER CP-1506</p> <hr/> <p>SHEET NUMBER 5</p> </div> </div>						