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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
AMISS WATER PLANT  
STORM WATER PUMPS

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

CP-1675

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	1	
FLA	3.5	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Meyers	
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		

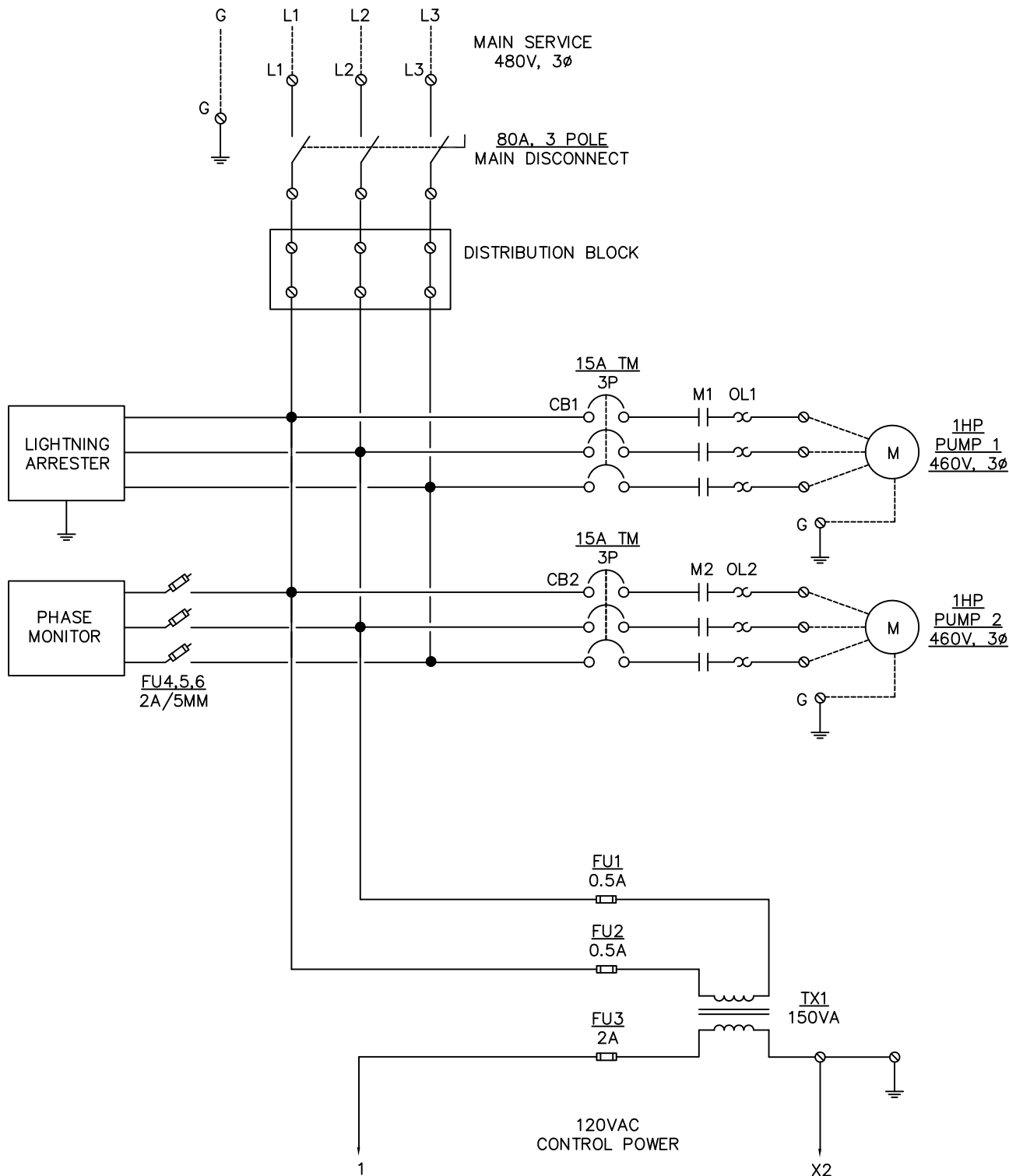
OPTIONS:

SEAL FAIL LIGHTS	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		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION	X	

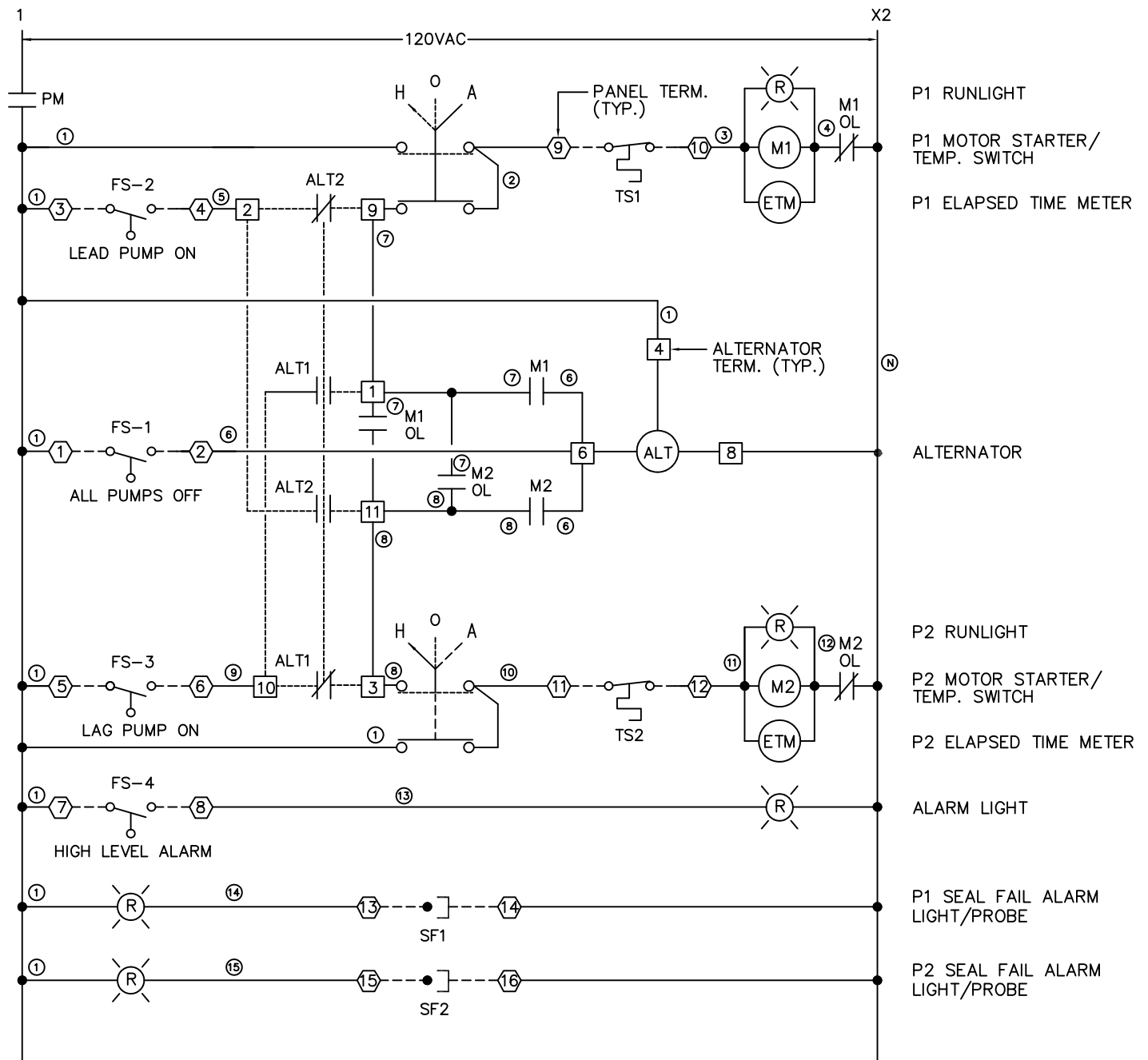
SOLD TO: Delta Process - Bossier City, LA  
TAG : AMISS WATER PLANT  
STORM WATER PUMPS

SHIP TO: Delta Process - Shreveport, LA

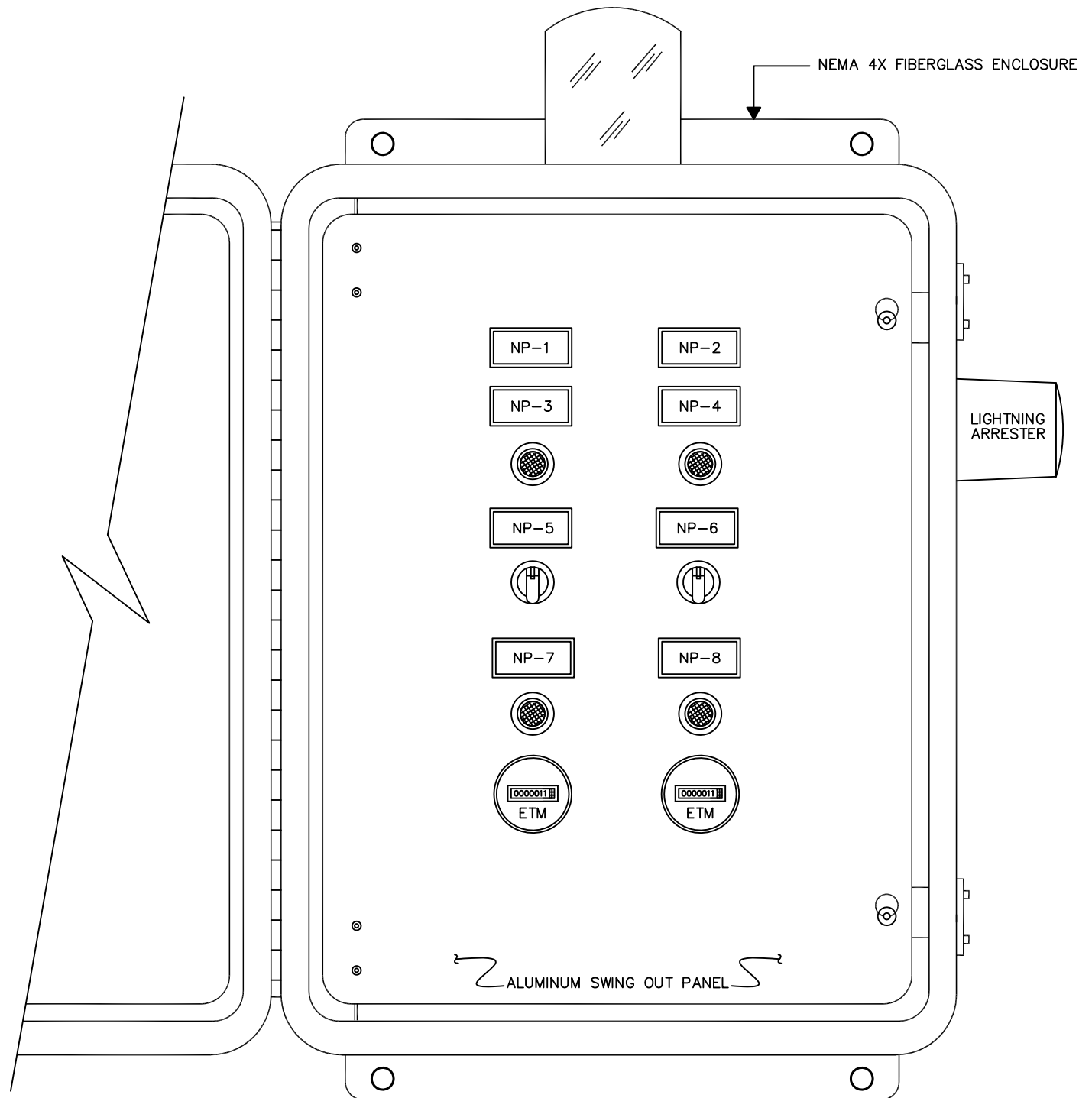
	Drawing Title						
	PANEL DESCRIPTION						
DATE 10/13/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE BY
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1675	
						SHEET NUMBER 1	



	Drawing Title							
	POWER DIAGRAM							
DATE 10/13/03		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				PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.				DRAWING NUMBER CP-1675		
		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030				SHEET NUMBER 2		



	Drawing Title   <
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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.

Drawing Title							
ENCLOSURE							
DATE 10/13/03		REFERENCE DRAWING		NO.		REVISION-LOCATION	
		S/N		Sales Engineer C.C.		Application Engineer R.C.	
Project Title				DRAWN BY C. RACHAL		APPROVED BY DATE	
DUPLEX PUMP CONTROL PANEL				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1675	
						SHEET NUMBER 4	

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1816HPLDF	ENCLOSURE
1a	1	VYNCKIER	MP1816AL	BACKPLATE
2	2	ABB	A16-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU4.0	O.L. RELAY (2.8-4.0A)
4	2	ABB	S1N015TL	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	4	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	SQUARE D	9070TF150D1	TRANSFORMER
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	1	CH	CHSA03	LIGHTNING ARRESTER
12	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
13	1	SSAC	PLMU-11	PHASE MONITOR
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	BILL OF MATERIALS						
DATE 10/13/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE BY
		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <b>COX</b>  <small>Research and Technology, Inc.</small> </div>		<small>P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030</small>		<small>PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1675 SHEET NUMBER 5</small>	
	Project Title	<div style="border: 1px solid black; padding: 10px; margin: 0 auto; width: 200px;"> <b>DUPLEX PUMP CONTROL PANEL</b> </div>					