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COX

Research and Technology, Inc.

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DUPLEX SUBMERSIBLE PUMP  
CONTROL PANEL  
BARKER SUBDIVISION  
STATION #2

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

CP-1713

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	2.7	
FLA	11.9	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	Yes	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

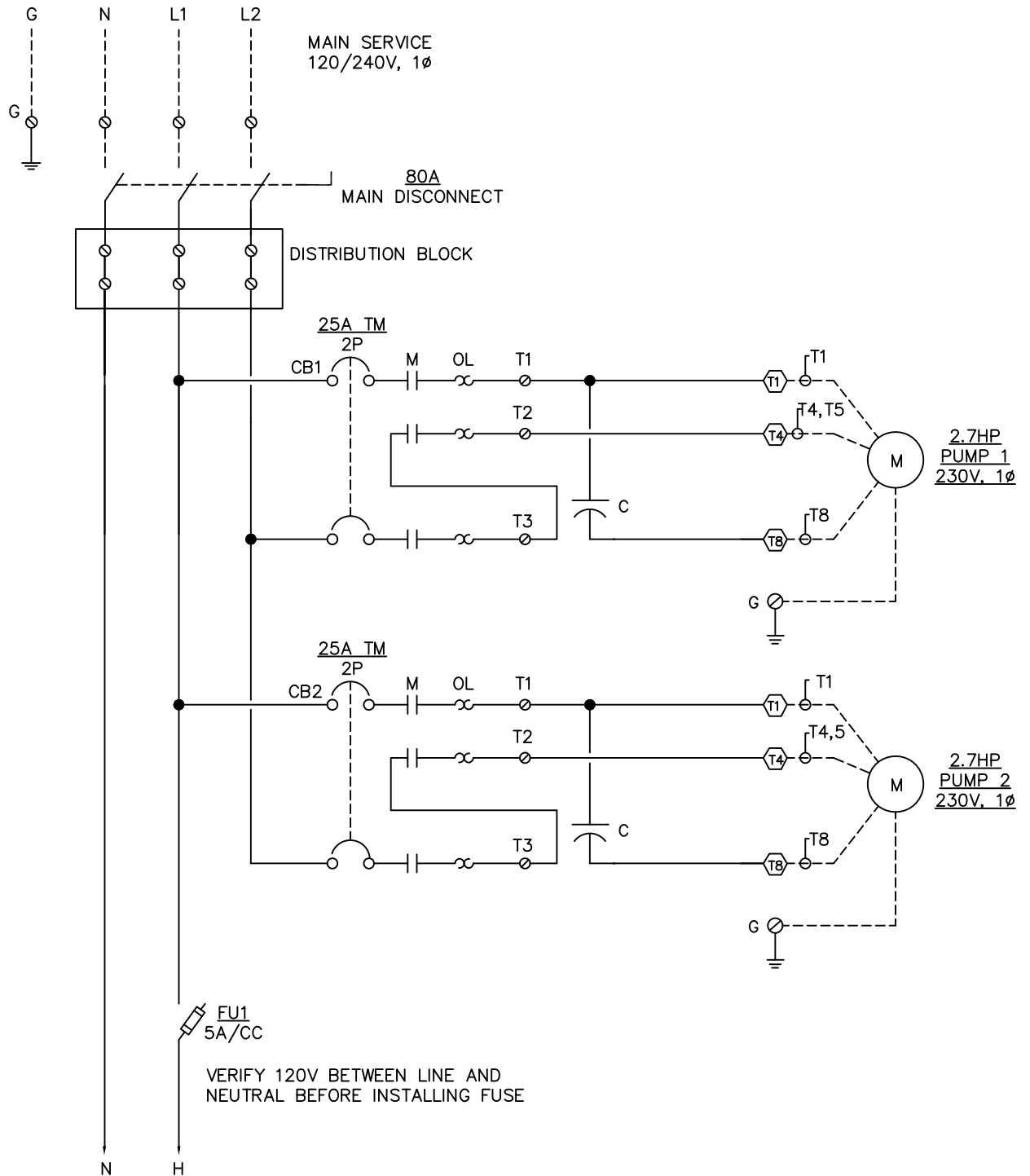
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	X	(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	X	
PHASE MONITOR		
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		
HEATER		

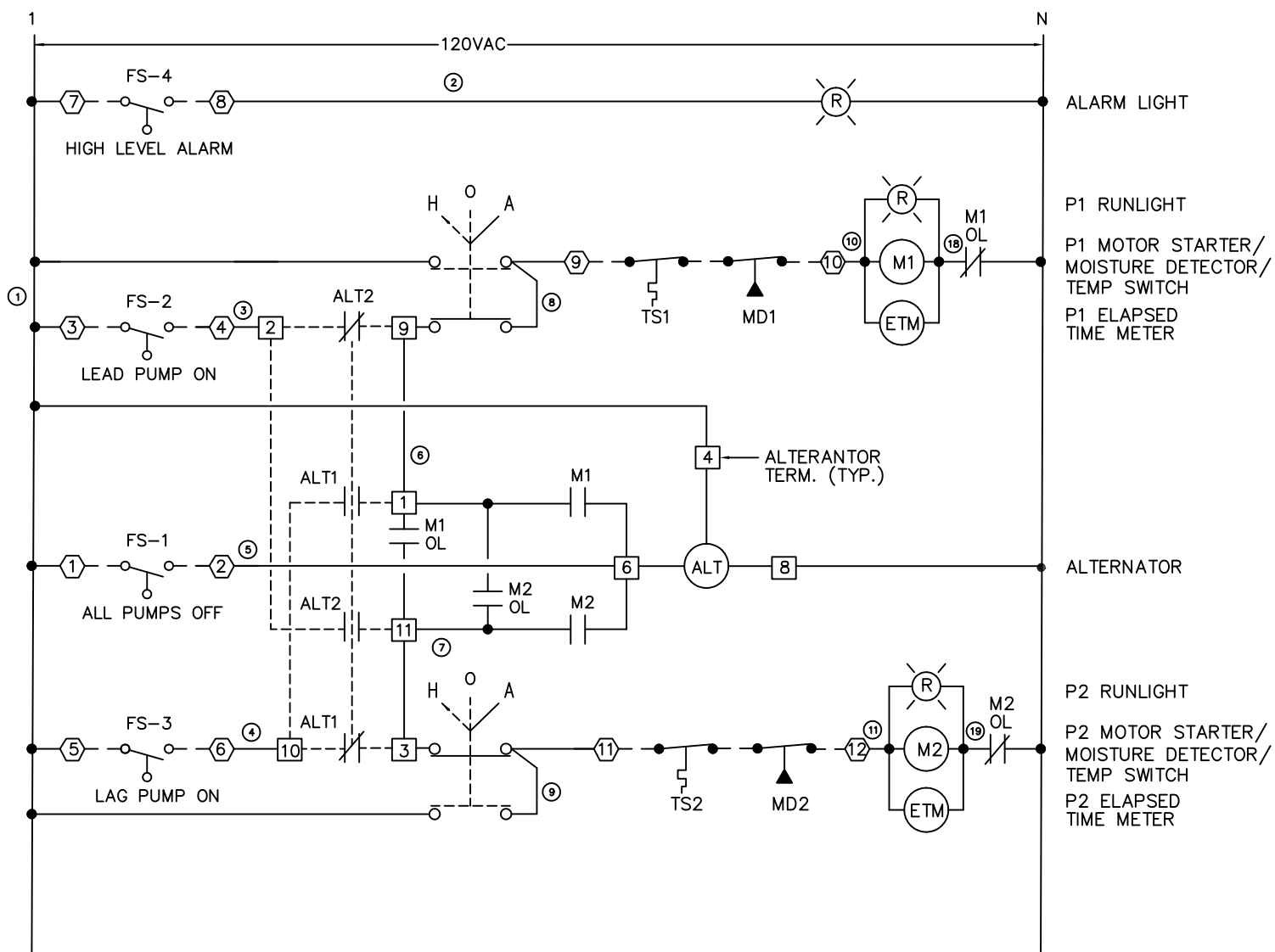
SOLD TO:	Delta Process - Bossier City, LA
TAG :	BARKER SUBDIVISION
	STATION #2

SHIP TO:	Delta Process - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION		1	ADDED CAPACITORS		6/23/04	RC
			1	CHANGED FROM 240 3Ø TO 240 1Ø		6/23/04	RC
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
12/09/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY DATE
	Project Title	<div>COX</div> <div>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-1713 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						

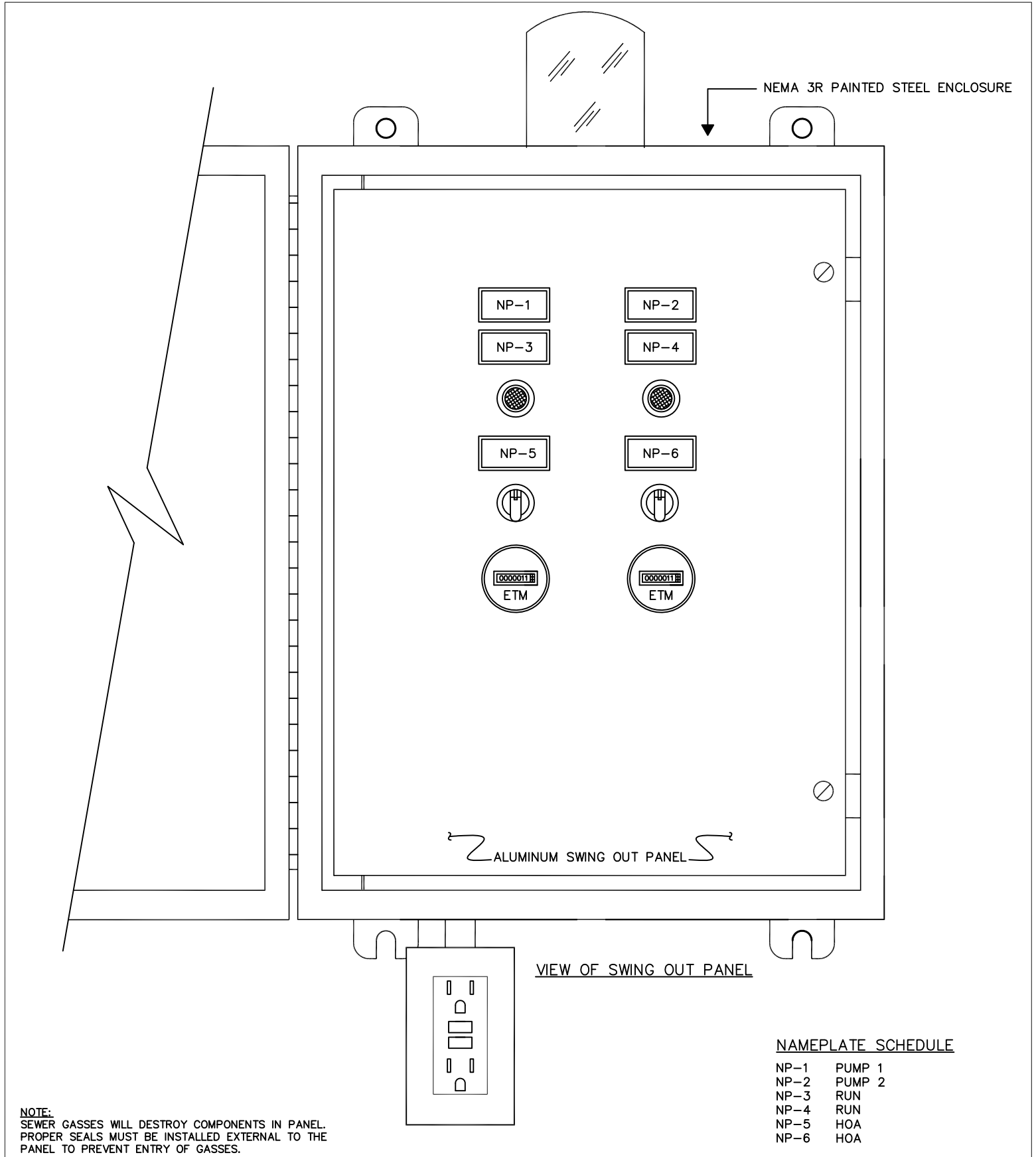


	Drawing Title  <	
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\* AUTOMATIC RESET OF HIGH TEMP AND SEAL FAILURE

DATE 12/09/03	Drawing Title		1		ADDED CAPACITORS	6/23/04	RC
	CONTROL DIAGRAM		1		CHANGED FROM 240 3Ø TO 240 1Ø	6/23/04	RC
	REFERENCE DRAWING		NO.		REVISION-LOCATION	ECN	DATE
	S/N		Sales Engineer C.C.		Application Engineer R.C.	BY C. RACHAL	APPROVED
Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
CONTROL PANEL		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1713	
						SHEET NUMBER 3	



	ENCLOSURE								
			1	ADDED CAPACITORS			6/23/04	RC	
			1	CHANGED FROM 240 3Ø TO 240 1Ø			6/23/04	RC	
DATE 12/09/03			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.		DRAWN BY C. RACHAL		APPROVED BY		DATE
	Project Title		<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	CONTROL PANEL					Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1713	
						SHEET NUMBER 4			

# BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	242010REPL	ENCLOSURE
1a	1	EBE	A2420P	BACKPLATE
1b	1	EBE	A2420SP	DEAD FRONT
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A26N1-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU14	O.L. RELAY (10-14A)
5	2	SQUARE D	QOU225	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22P3M20B	HOA SWITCH
8	2	ACI	JR22FR	RED LIGHT
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	2	GRASSLIN	UWZ52E	ETM
11	1	STOCK		GFI RECEPTACLE
12	1	SQUARE D	QOU115	CB 3
13				
14				
15				
16				
17				
18				
19				
20				
22				
23				
24				
25				

	Drawing Title		1	ADDED CAPACITORS		6/23/04	RC
	BILL OF MATERIALS		1	CHANGED FROM 240 3Ø TO 240 1Ø		6/23/04	RC
DATE 12/09/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
				DRAWN BY C. RACHAL	APPROVED BY	DATE	
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <b>COX</b>  <small>Research and Technology, Inc.</small> </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER   DRAWING NUMBER <div style="text-align: right;">CP-1713</div> SHEET NUMBER <div style="text-align: right;">5</div>
	CONTROL PANEL						