
COX

Research and Technology, Inc.

SIMPLEX PUMP
CONTROL PANEL
ST. AMANT HIGH SCHOOL

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

CP-1771

VOLTAGE	<u>120/208V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>1/60</u>	
NO. MOTORS	<u>1</u>	
HP	<u>2</u>	
FLA	<u>17</u>	
TYPE OF PUMP	<u>Submersible</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>Barnes</u>	
CATALOG NUMBER	<u>SGVF 2002L</u>	

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

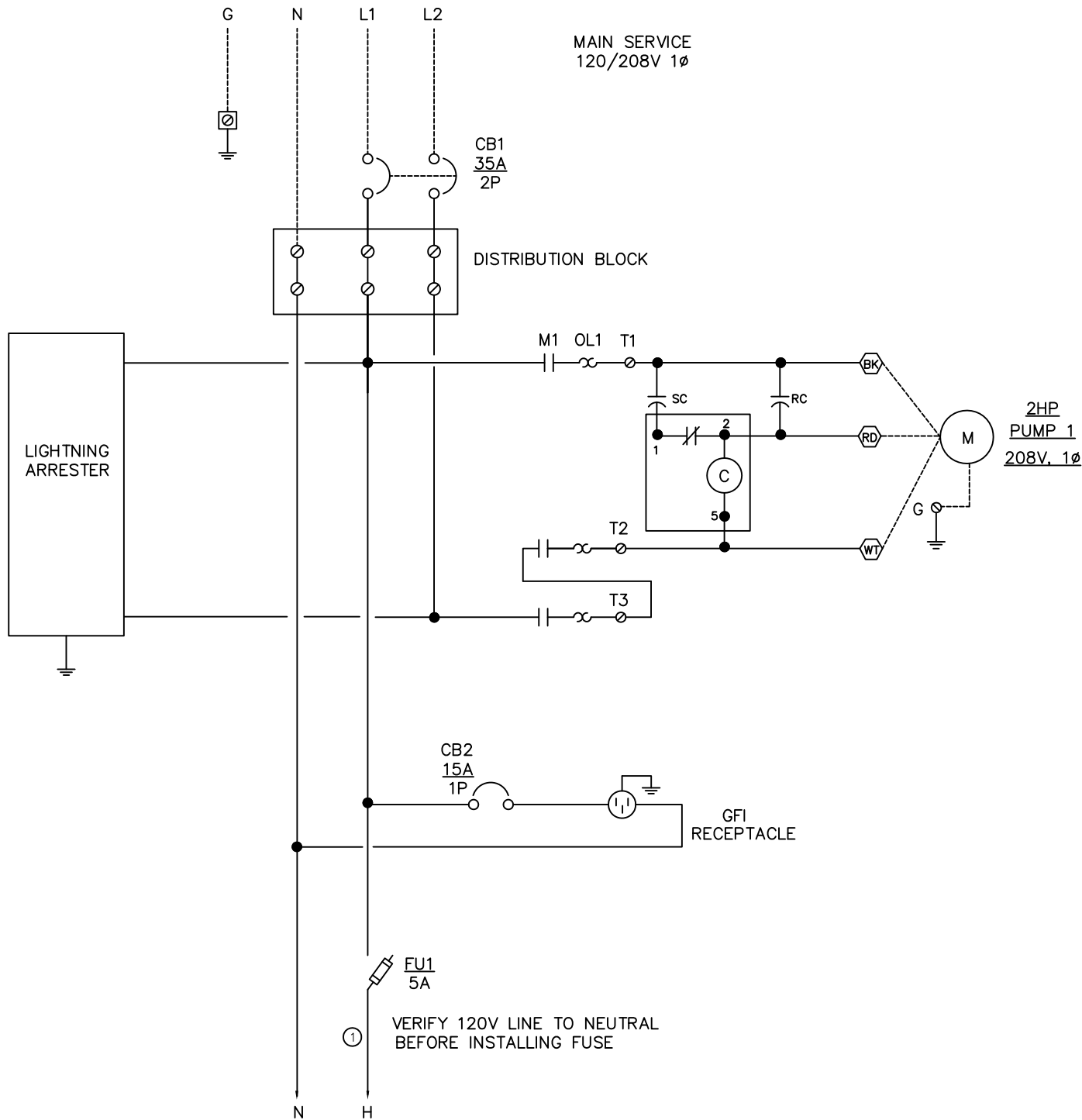
OPTIONS:

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

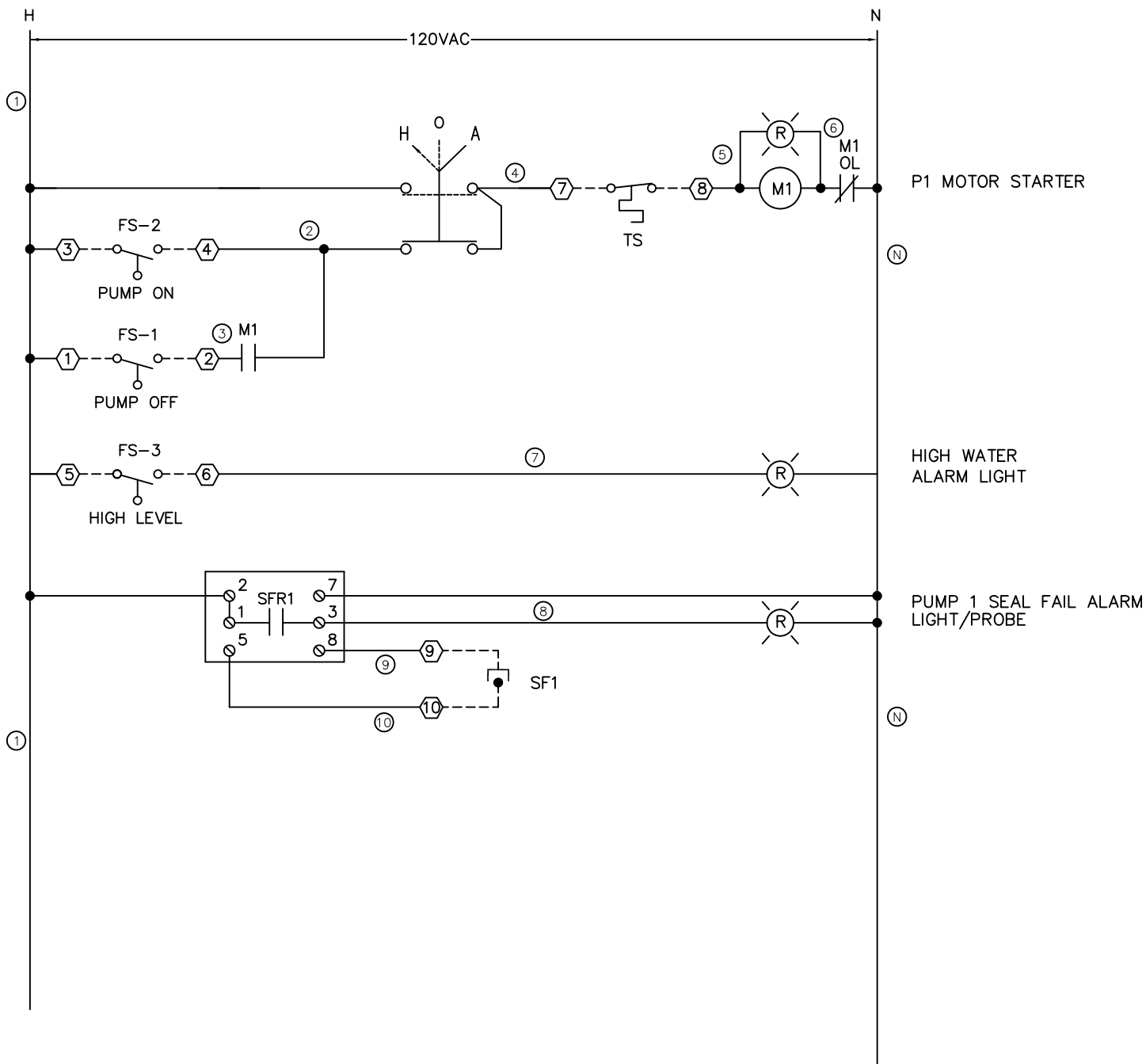
SOLD TO: Delta Process, Denham Springs, LA
TAG : St. Amant High School

SHIP TO: Delta Process, Ruston, LA

Drawing Title									
PANEL DESCRIPTION									
		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	
		DATE		DATE		BY		BY	
DATE	3/10/04	S/N		Sales Engineer	C.C.	Application Engineer	R.C.	DRAWN	C. RACHAL
Project Title		COX				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
SIMPLEX CONTROL PANEL		Research and Technology, Inc.				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER	
								CP-1771	
								SHEET NUMBER	
								1	



	Drawing Title							
	POWER DIAGRAM							
DATE 3/10/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	PURCHASE ORDER NUMBER			APPROVED			
	SIMPLEX CONTROL PANEL	DRAWING NUMBER CP-1771			SHEET NUMBER			
		SHEET NUMBER			2			



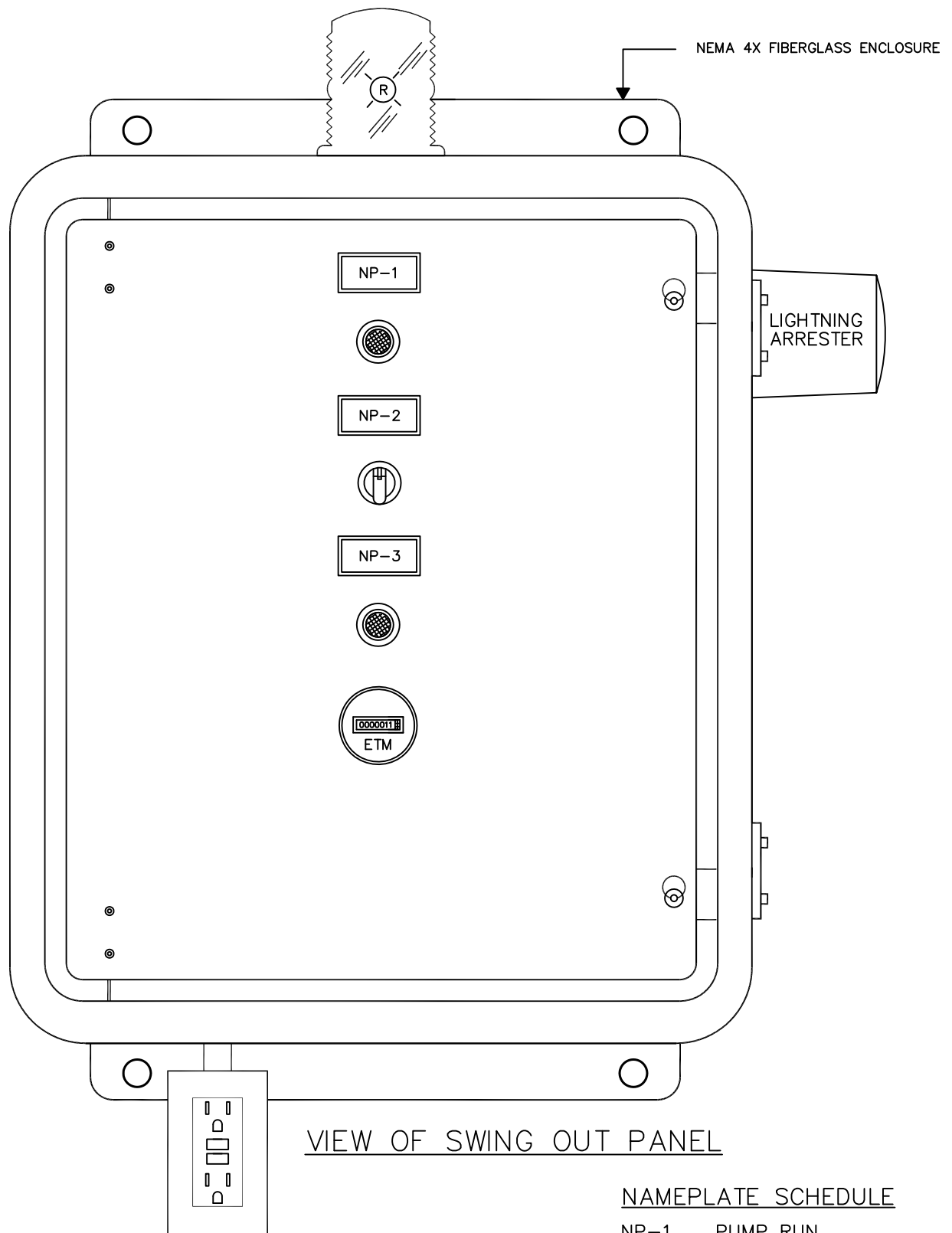
	Drawing Title								
	CONTROL DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
3/10/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL		APPROVED		
	Project Title							PURCHASE ORDER NUMBER	
	SIMPLEX CONTROL PANEL							DRAWING NUMBER CP-1771	
								SHEET NUMBER	3

COX

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

NAMEPLATE SCHEDULE

NP-1 PUMP RUN
NP-2 H-O-A
NP-3 SEAL FAIL

DATE 3/10/04	Drawing Title							
	ENCLOSURE							
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	SIMPLEX CONTROL PANEL		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1771	
							SHEET NUMBER 4	

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1816HWPLDF	ENCLOSURE
1a	1	VYNCKIER	MP1816AL	BACKPLATE
2	1	ABB	A26-30-10-84	MOTOR STARTER
3	1	ABB	TA25DU19	O.L. RELAY (13-19A)
4	1	SQUARE D	QOU235	CIRCUIT BREAKER
5	2	ACI	JR22FR	RED PIOLT LIGHT
6	1	ACI	JR22P3M11B	H-O-A SWITCH
7	1	CH	CHSA01	LIGHTNING ARRESTER
8	1	SSAC	LLC54AA	SEAL FAIL RELAYS
9	1	MARATHON	1323580	DISTRIBUTION BLOCK
10	1	STOCK		GFI
11	1	SQUARE D	QOU115	CB2
12	1	AC/DC	BL5R-120	ALARM LIGHT
13				
14				
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16				
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18				
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22				
23				
24				
25				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 3/10/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1771 SHEET NUMBER <div style="text-align: right;">5</div>
	SIMPLEX CONTROL PANEL						