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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
ALLEN STREET LIFT STATION  
TOWN OF MARION

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

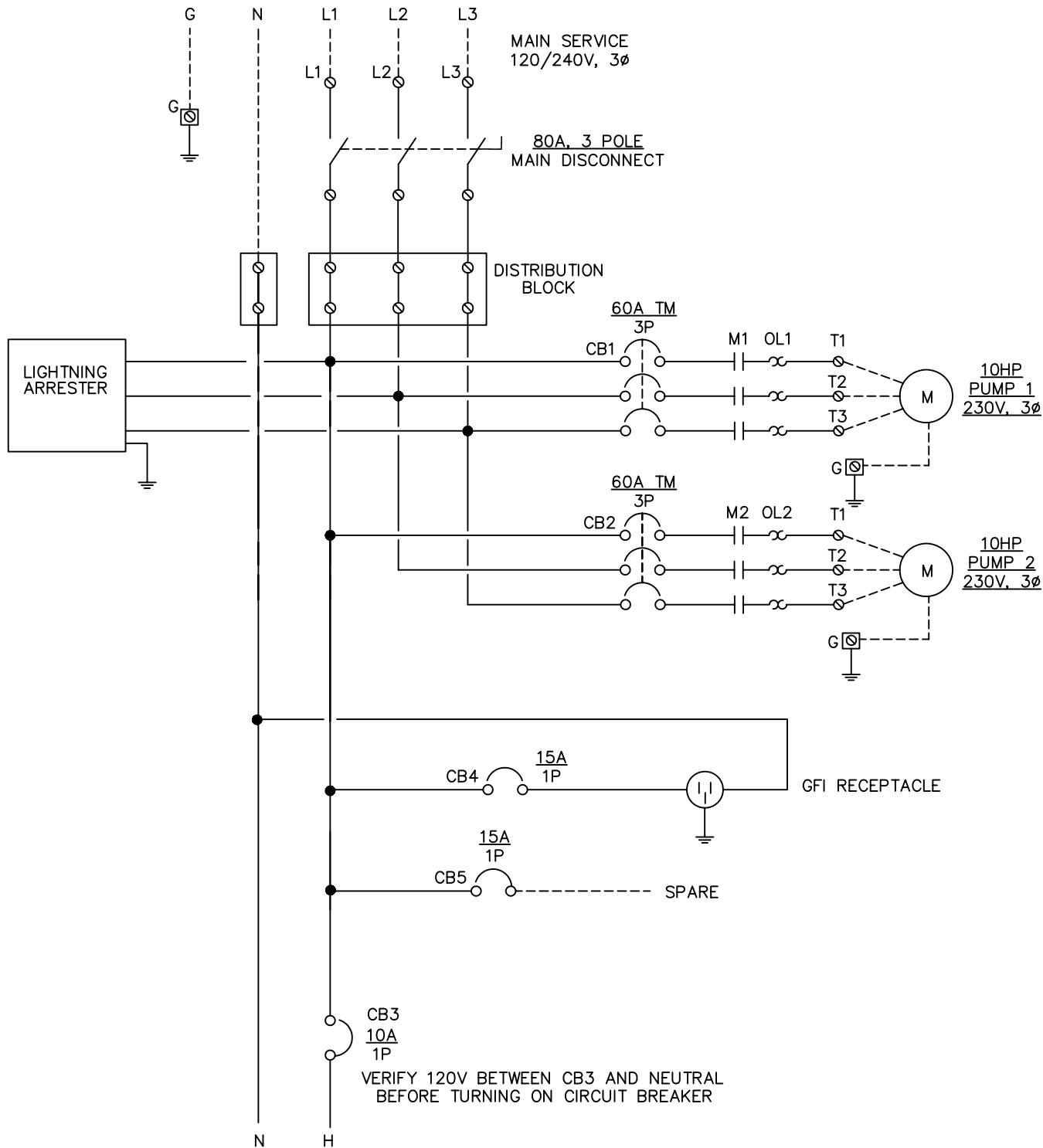
CP-2346

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		

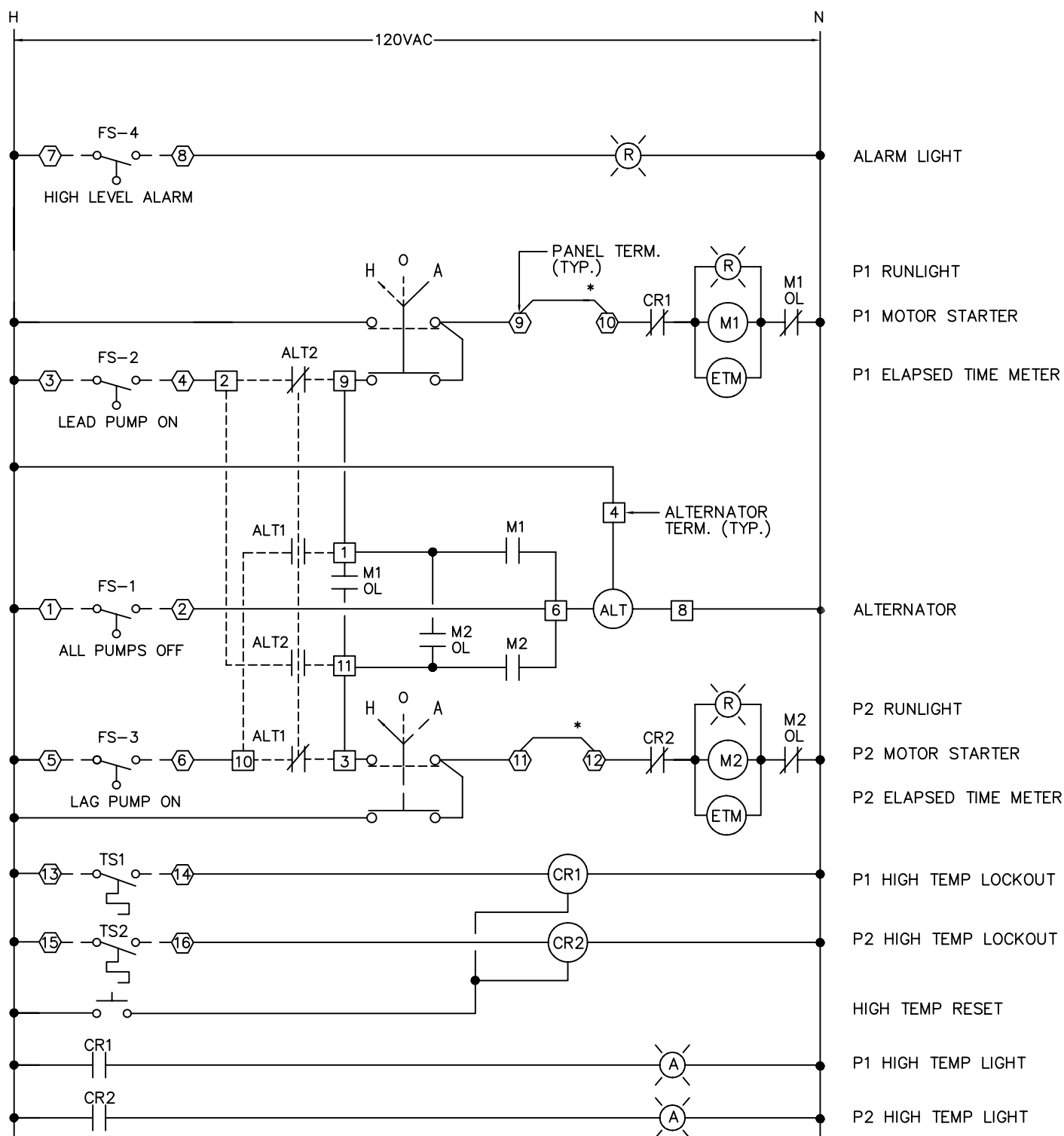
SEAL FAIL LIGHTS	_____	(Submersible Only)
SEAL FAIL RELAYS	_____	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	_____	(Submersible Only)
HT PUMP SHUTDOWN	X _____	(Self-Primer, Submersible)
ALARM HORN	_____	
ALARM LIGHT	X _____	
LIGHT PANEL MTD	X _____	
LIGHT REMOTE MTD	_____	
LIGHT FLASHER	_____	
LIGHTNING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

SHIP TO: Delta Process - Ruston, LA

	Drawing Title								
	PANEL DESCRIPTION								
DATE 3/30/06	REFERENCE DRAWING	S/N	NO. Sales Engineer C.C.	REVISION-LOCATION	Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title					P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	<div style="text-align:center;"><b>COX</b>  Research and Technology, Inc.</div>				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2346		
							SHEET NUMBER 1		



	Drawing Title							
	POWER DIAGRAM							
DATE 3/30/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	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)755-1030	DRAWING NUMBER CP-2346		
						SHEET NUMBER 2		



\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

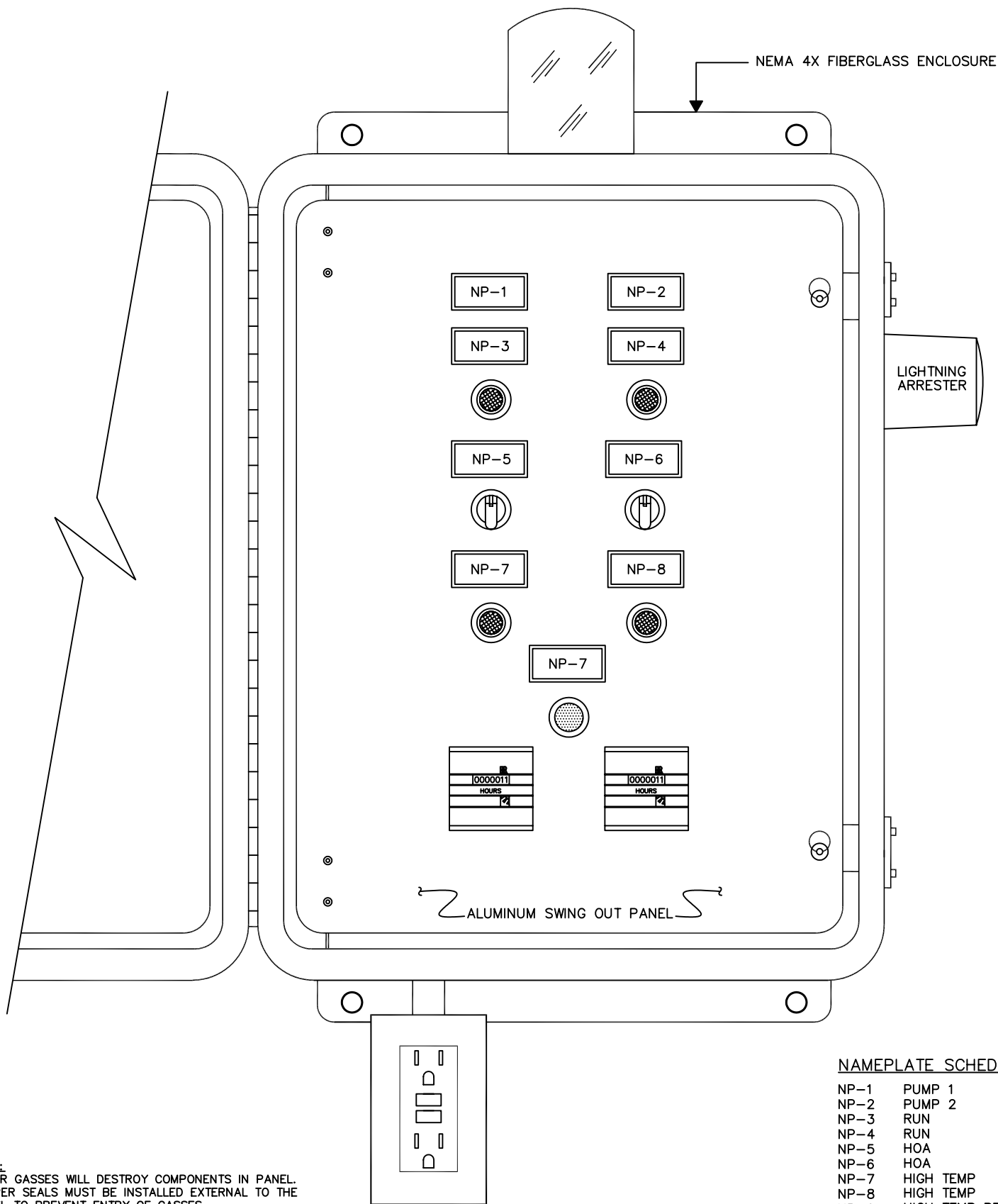
Drawing Title							
CONTROL DIAGRAM							
DATE		REFERENCE DRAWING		NO.		REVISION-LOCATION	
3/30/06		S/N		Sales Engineer		Application Engineer	
Project Title		C.C.		R.C.		BY C. RACHAL	
CONTROL PANEL						APPROVED	
						BY	
						DATE	
						PURCHASE ORDER NUMBER	
						DRAWING NUMBER	
						CP-2346	
						SHEET NUMBER	
						3	

**COX**

Research and Technology, Inc.

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Baton Rouge, LA  
70809

Ph. (225)756-3271  
Fax (225)755-1030



#### NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	HIGH TEMP
NP-8	HIGH TEMP
NP-9	HIGH TEMP RESET

Drawing Title	ENCLOSURE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 3/30/06			S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
Project Title	CONTROL PANEL		<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER	
							DRAWING NUMBER CP-2346	
							SHEET NUMBER 4	

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	2	ABB	A26-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU32	O.L. RELAY (22-32A)
4	2	SQUARE D	QOU360	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	2	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	DELTA	LA603	LIGHTNING ARRESTER
9	1	ABB	OT63E3	DISCONNECT SWITCH
10	2	ACI	JR22FY	AMBER PILOT LIGHT
11	1	MARATHON	1323580	DISTRIBUTION BLOCK
12	1	MARATHON	1321570	NEUTRAL BLOCK
13	1	AC/DC	BL5-R-120	ALARM LIGHT
14	2	MAGNECRAFT	W388AMLCPX-9	CR1,CR2
15	2	MAGNECRAFT	70-463-1	BASE
16	2	REDINGTON	711-0190	ELAPSED TIME METER
17	1	SQUARE D	QOU110	CB3
18	1	SQUARE D	QOU115	CB4, CB5
19	1	STOCK		GFI RECEPTACLE
20				
21				
22				
23				
24				
25				

	Drawing Title								
	BILL OF MATERIALS								
DATE 3/30/06		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
	Project Title				BY C. RACHAL		BY	DATE	
	CONTROL PANEL	<div><div></div><div>COX</div><div>Research and Technology, Inc.</div><div></div></div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER		
DRAWING NUMBER CP-2346									
SHEET NUMBER 5									