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COX

Research and Technology, Inc.

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CITY OF MORGAN CITY  
BLOWER  
CONTROL PANEL

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

CP-1845

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>50</u>	
FLA	<u>58.5</u>	
TYPE OF PUMP	<u>Blower</u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 12</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Painted Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Remote</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	

OPTIONS:

SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u></u>	(Self-Primer, Submersible)
ALARM HORN	<u></u>	
ALARM LIGHT	<u></u>	
LIGHT PANEL MTD	<u></u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u></u>	
LIGHTNING ARRESTER	<u>X</u>	
ELAPSED TIME METER	<u>X</u>	
PHASE MONITOR	<u>X</u>	
NEMA RATED STARTERS	<u>X</u>	
GROUND FAULT RECPT.	<u></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: Cajun Constructors


TAG : Morgan City

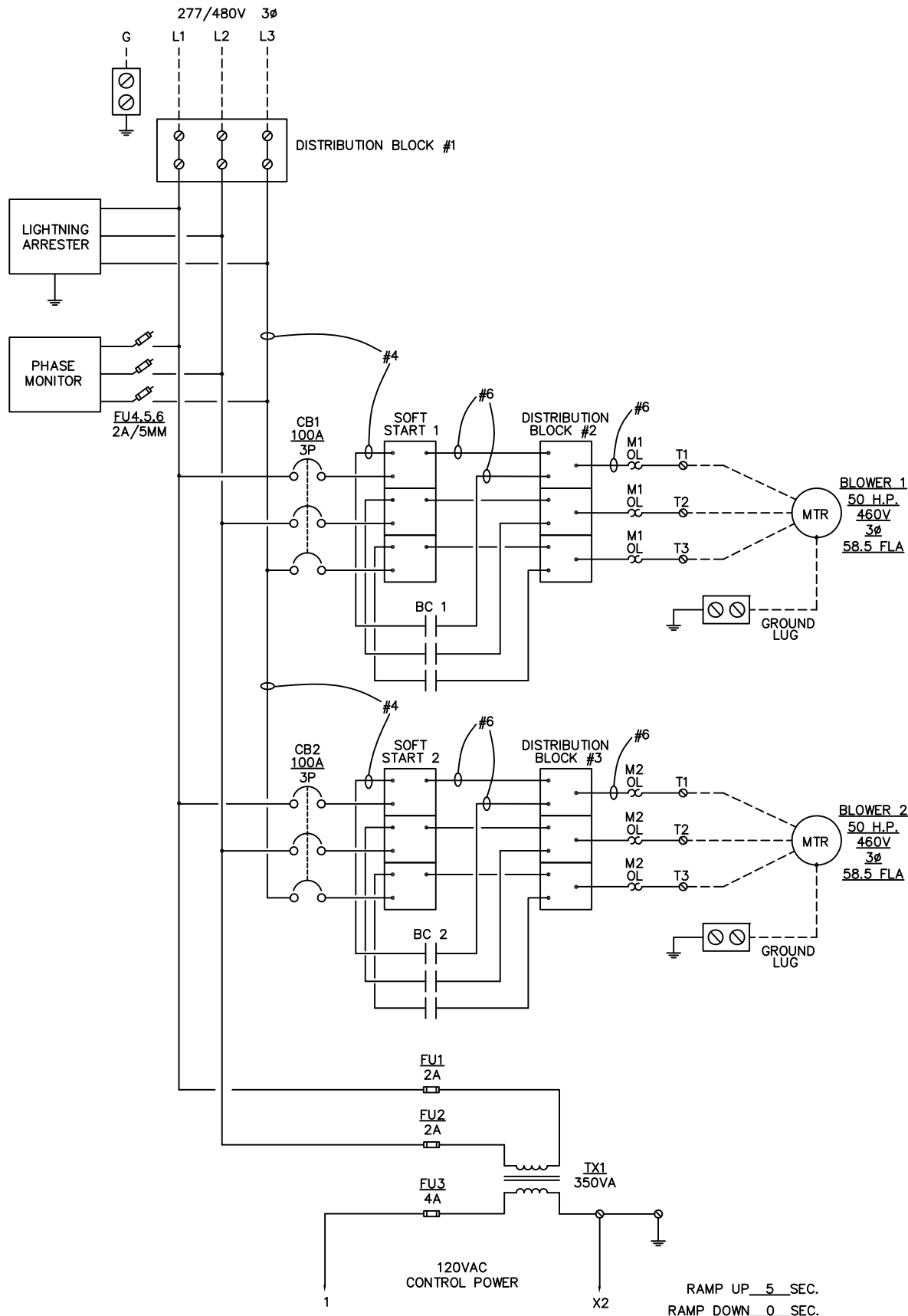
Blower Control Panel

SHIP TO: Morgan City Water Plant

1600 Federal Avenue

Morgan City, LA 70380

	Drawing Title						
	PANEL DESCRIPTION						
DATE 7/12/04		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="text-align: center;">   <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	BLOWER CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1845
							SHEET NUMBER 1



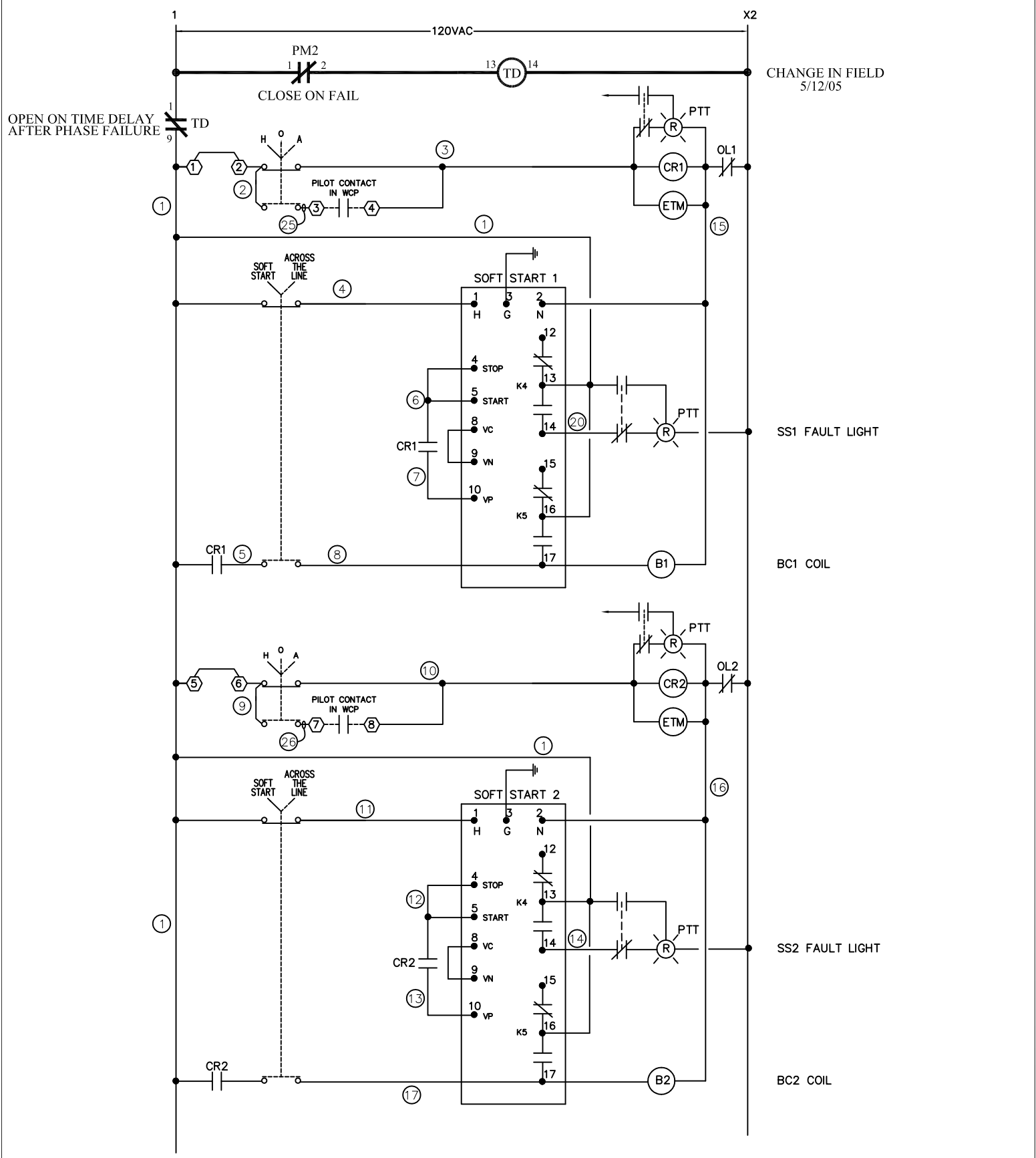
	Drawing Title						
	POWER WIRING						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
7/12/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED	
	Project Title					PURCHASE ORDER NUMBER	
	BLOWER CONTROL PANEL					DRAWING NUMBER	CP-1845
						SHEET NUMBER	2

**COX**

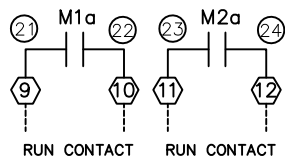
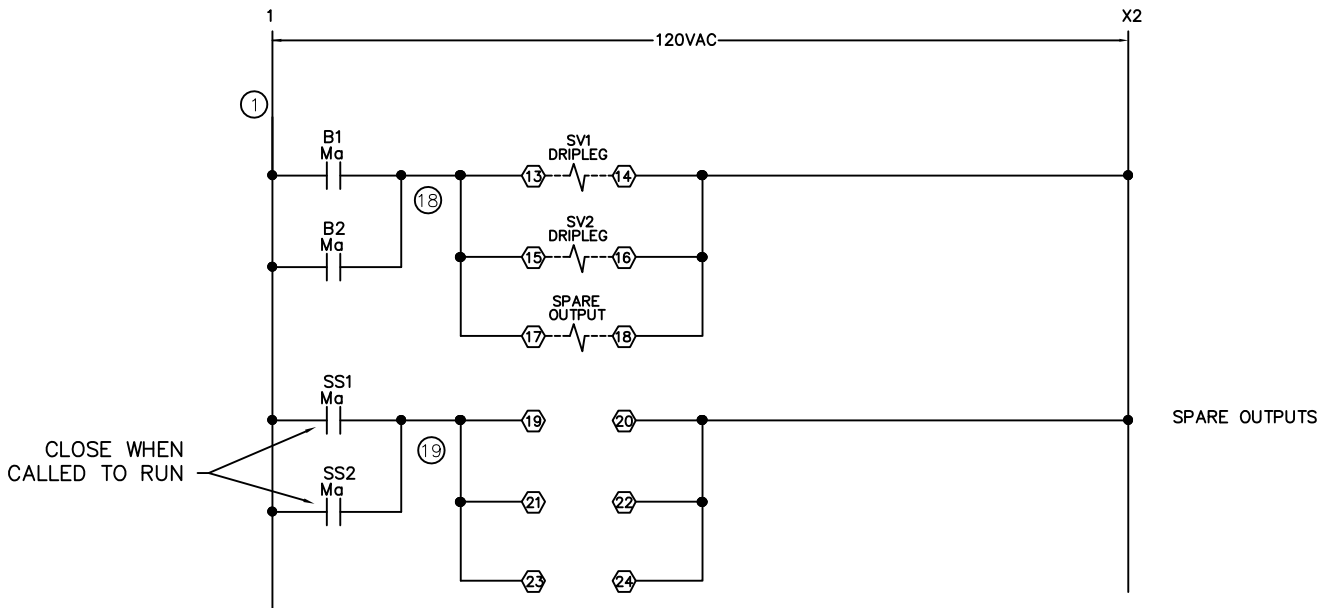
Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809

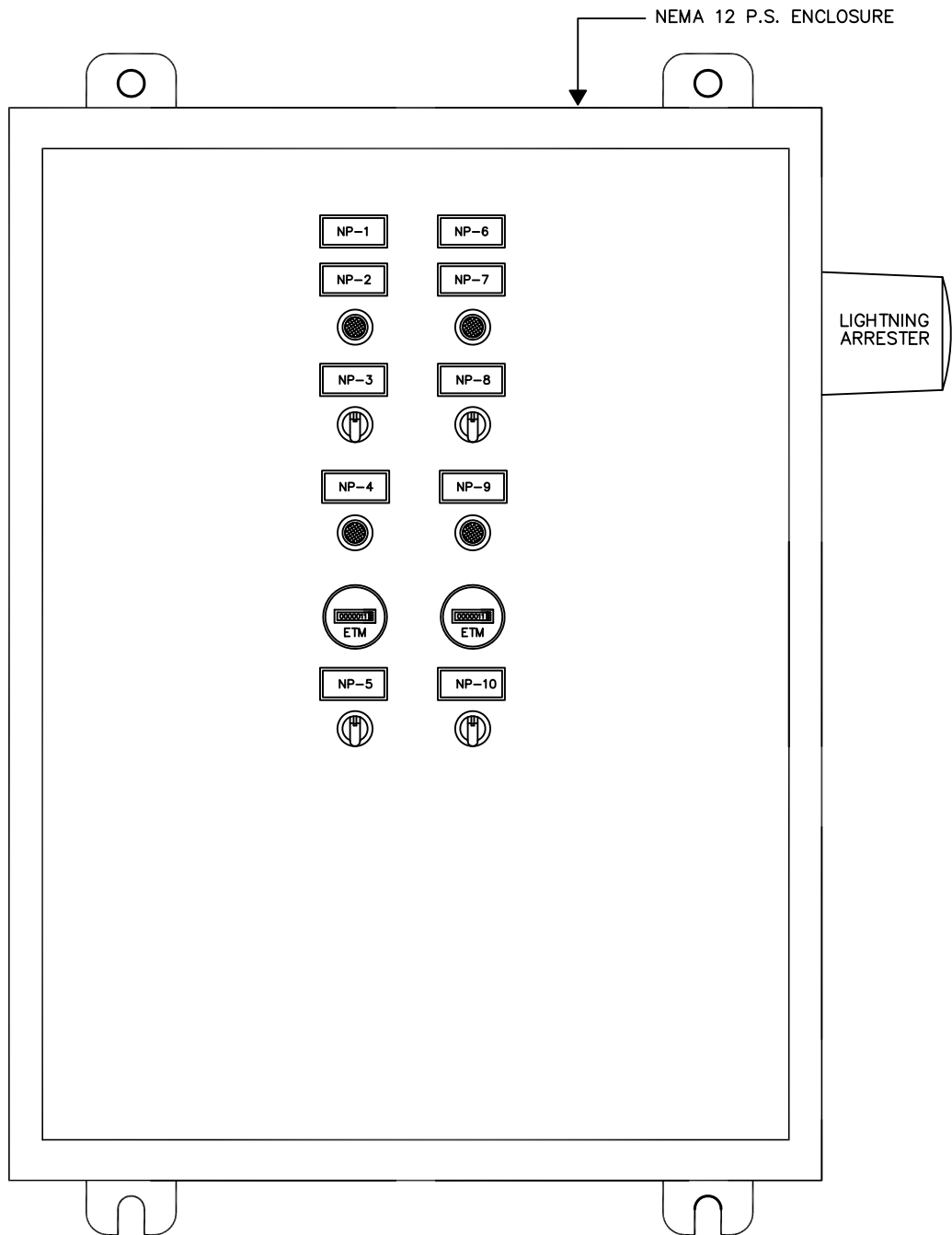
Ph. (225)756-3271  
Fax (225)756-1030



Drawing Title									
CONTROL DIAGRAM									
DATE		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	
7/12/04		S/N		Sales Engineer		Application Engineer		DRAWN	
				C.C.		R.C.		BY C. RACHAL	
Project Title								APPROVED	
BLOWER CONTROL PANEL								BY	
								DATE	
								PURCHASE ORDER NUMBER	
								DRAWING NUMBER	
								CP-1845	
								SHEET NUMBER	
								3	



	Drawing Title						
	CONTROL DIAGRAM						
DATE 7/12/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE BY
	Project Title	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER	
	BLOWER CONTROL PANEL					DRAWING NUMBER CP-1845	
						SHEET NUMBER 4	



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

NP-1	BLOWER 1
NP-2	RUN
NP-3	HOA
NP-4	SOFT START FAULT
NP-5	SOFT START/ACROSS THE LINE
NP-6	BLOWER 2
NP-7	RUN
NP-8	HOA
NP-9	SOFT START FAULT
NP-10	SOFT START/ACROSS THE LINE

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

DATE 7/12/04	Drawing Title							
	ENCLOSURE							
REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE	BY
S/N		Sales Engineer C.C.		Application Engineer R.C.		DRAWN BY C. RACHAL		APPROVED BY
Project Title								PURCHASE ORDER NUMBER
BLOWER CONTROL PANEL								DRAWING NUMBER CP-1845
								SHEET NUMBER 5

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	483612N12	ENCLOSURE
1a	1	EBE	4836P	BACKPLATE
2	2	ABB	S3N100TW	CB1 480V 3P 100A
3	2	ABB	TA75DU63	O.L. RELAY (45-63A)
4	2	ABB	PST72-600-70	SOFT START
5	2	ABB	A75N3-30-11-84	BYPASS CONTACTOR
6	2	ABB	DB80	SEPARATE MT. KIT
7	1	SQUARE D	LBA363106	DISTRIBUTION BLOCK #1
8	1	SQUARE D	LB33	DISTRIBUTION BLOCK COVER
9	1	DELTA	LA603	LIGHTNING ARRESTER
10	2	MARATHON	1323580	DISTRIBUTION BLOCK #2,#3
11	1	SSAC	PLMU11	PHASE MONITOR
12	4	A-B	800H-QRT10R	RED PTT LIGHT
13	2	A-B	800H-JR2A	HOA SWITCH
14	2	GRASSLIN	UWZ-52E	ETM
15	2	OMRON	MK3PN5SAC120	CR1,2
16	2	A-B	800H-HR2A	2 POSITION SWITCH
17	4	ABB	K4TD	LUGS FOR C.B.
18	1	ABB	T4350PSF1	TRANSFORMER W/COVERS
19	4	ABB	K4LCH	TERMINAL COVER FOR CB
20	1	ZERUST	VC2-1	CORROSION INHIBITOR
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

	Drawing Title						
	<b>BILL OF MATERIALS</b>						
DATE 7/12/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
				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 CP-1845 SHEET NUMBER 6
	<b>BLOWER CONTROL PANEL</b>						