
COX

Research and Technology, Inc.

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

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

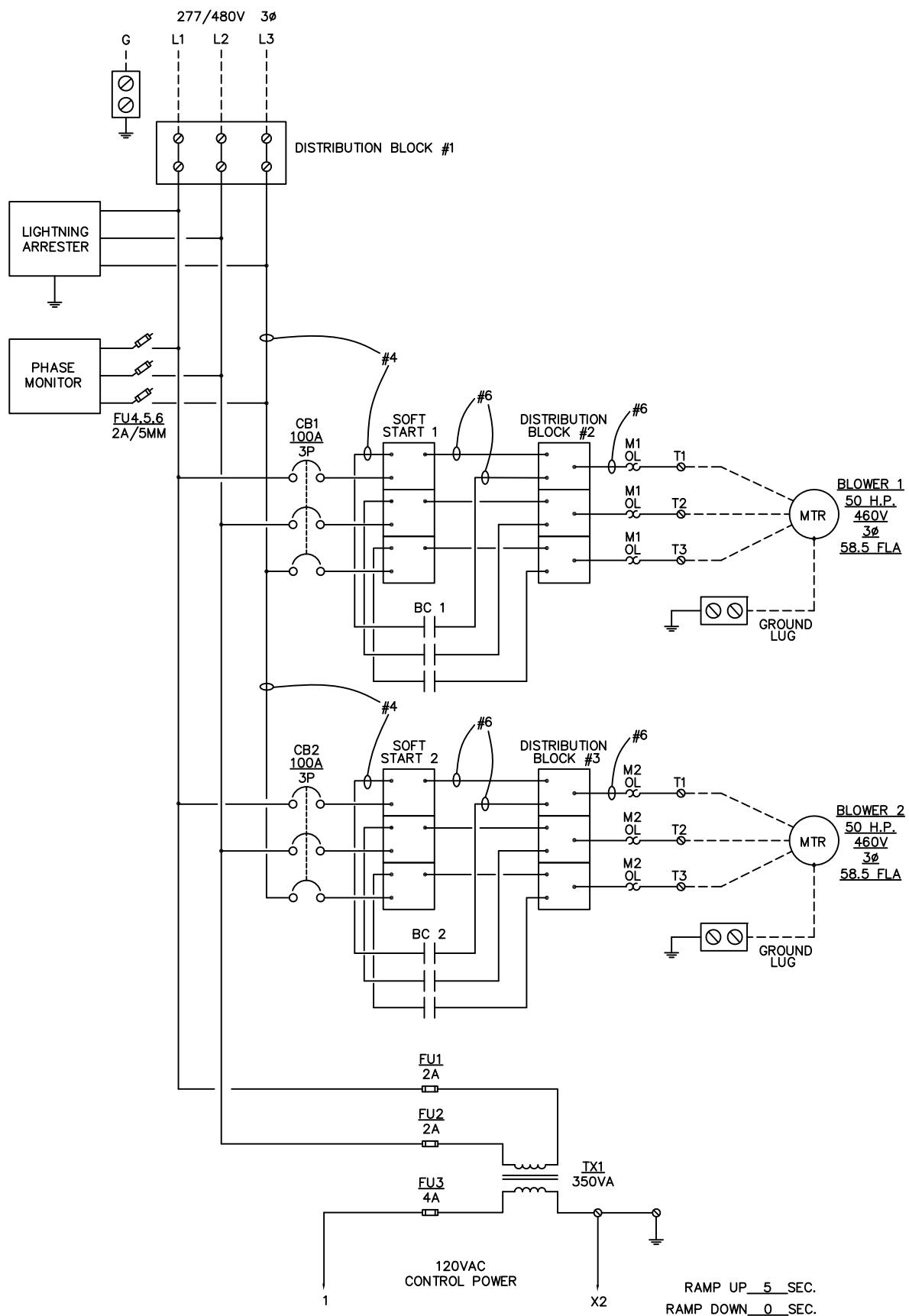
OPTIONS:

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

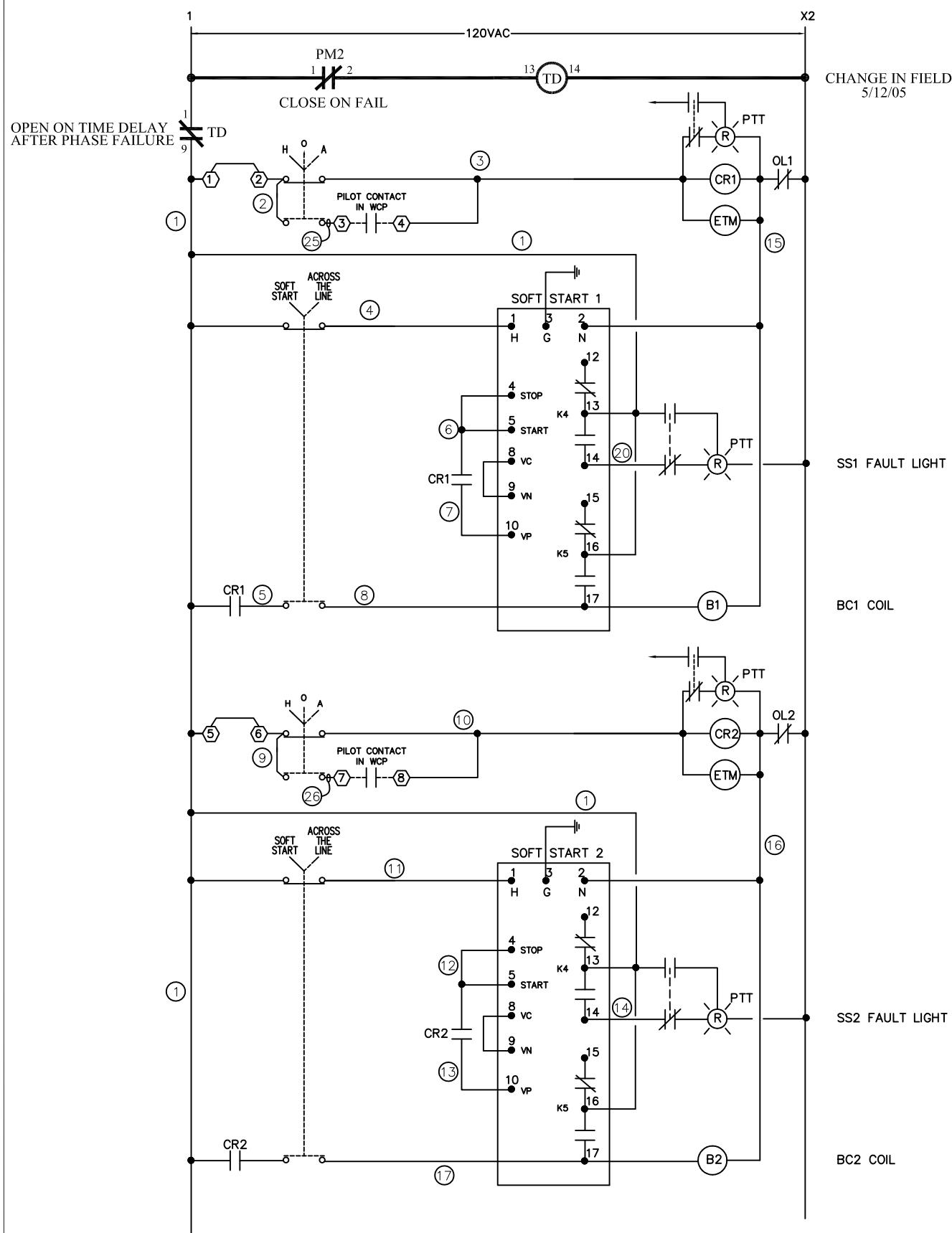
SOLD TO: Cajun Constructors
 TAG : Morgan City
 Blower Control Panel

SHIP TO: Morgan City Water Plant
 1600 Federal Avenue
 Morgan City, LA 70380

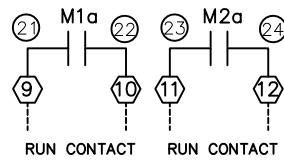
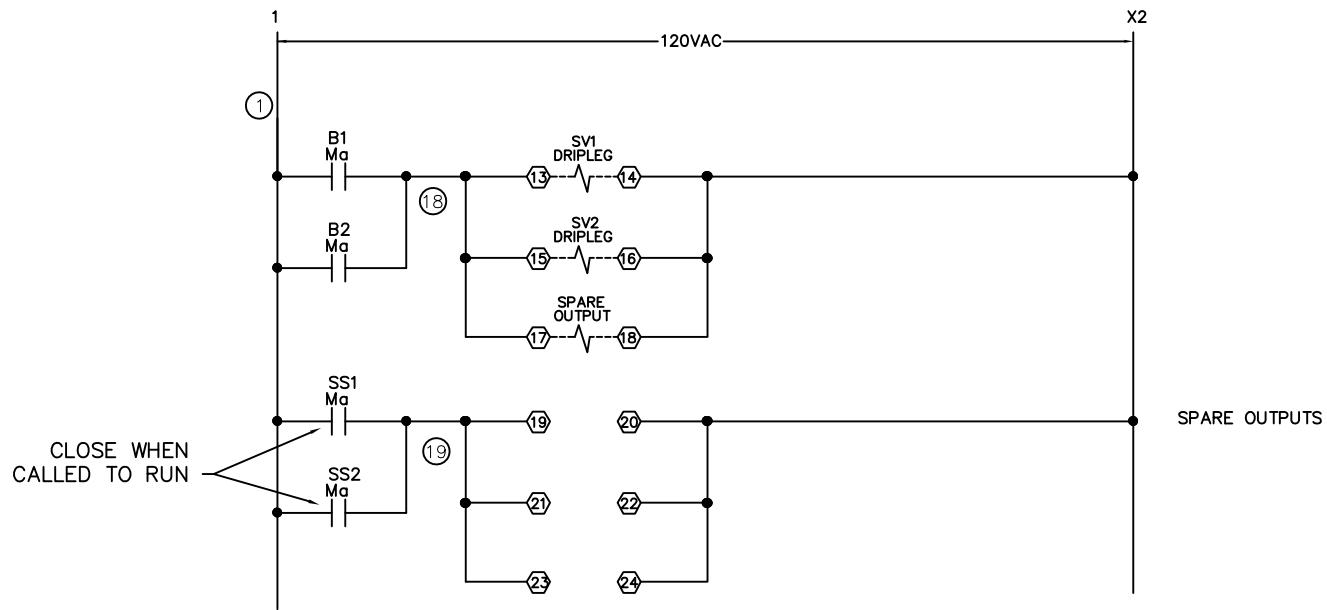
DATE 7/12/04	Drawing Title PANEL DESCRIPTION	REFERENCE DRAWING		NO. C.C.	REVISION-LOCATION		ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE
		S/N	Sales Engineer		Application Engineer R.C.	DRAWN BY		
	Project Title BLOWER CONTROL PANEL						P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER
							Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1845 SHEET NUMBER 1



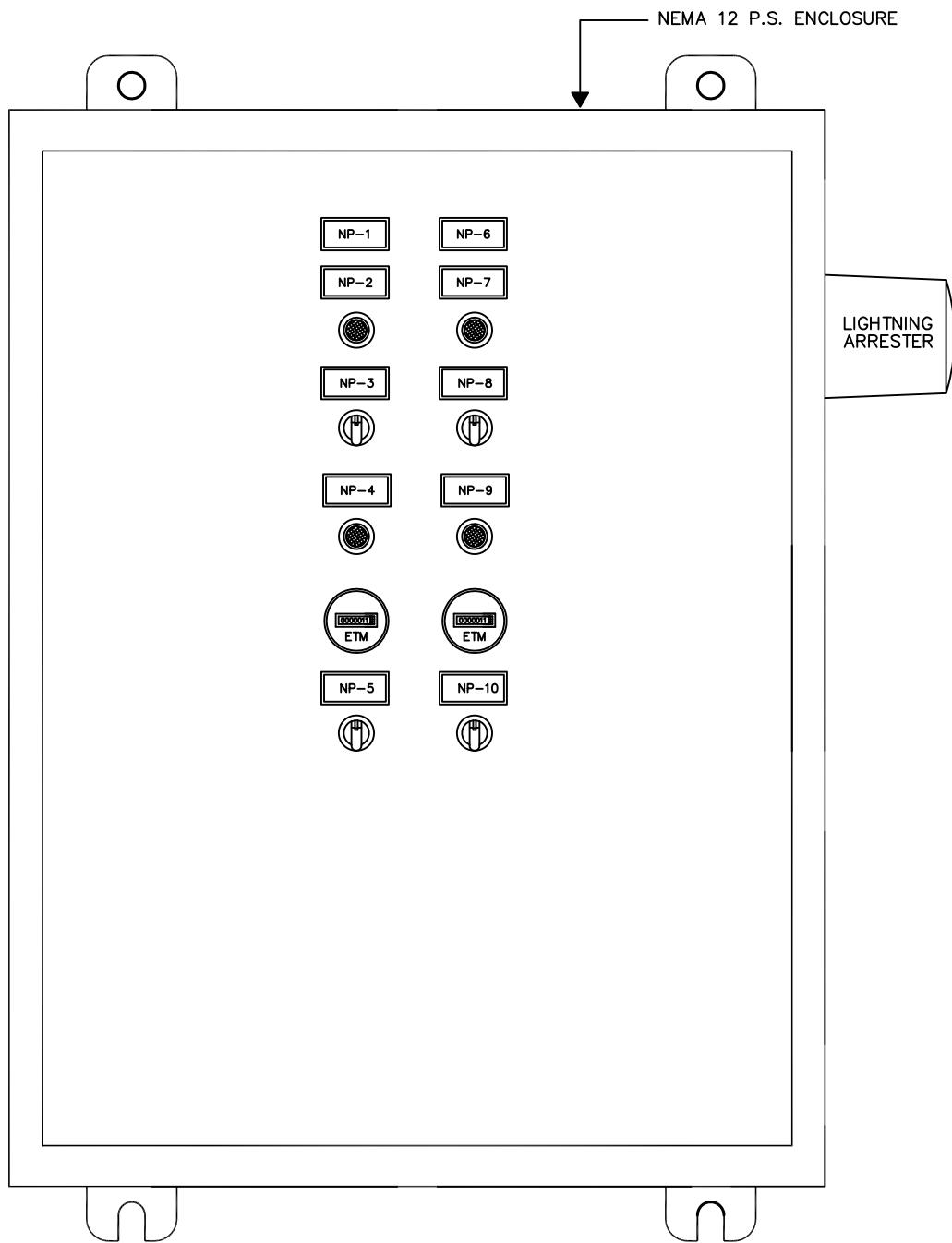
	Drawing Title					
	POWER WIRING					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 7/12/04		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED
		C.C.		R.C.	BY C. RACHAL	BY DATE
	Project Title				PURCHASE ORDER NUMBER	
	BLOWER CONTROL PANEL	COX	Research and Technology, Inc.		DRAWING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



	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 BY	DATE APPROVED BY DATE
	Project Title BLOWER CONTROL PANEL	<hr/> <hr/> COX Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)756-1030	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 DRAWN Application Engineer R.C.	ECN	DATE APPROVED BY
	Project Title BLOWER CONTROL PANEL	COX Research and Technology, Inc.	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 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.

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