
COX

Research and Technology, Inc.

DUPLEX BLOWER
CONTROL PANEL
BEAU CHENE WWTP

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

CP1591


VOLTAGE	<u>480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>25</u>	
FLA	<u>34</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 3R</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Stainless Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Clock</u>	(Floats, Bubbler, Other)
CAPACITORS	<u></u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u></u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	

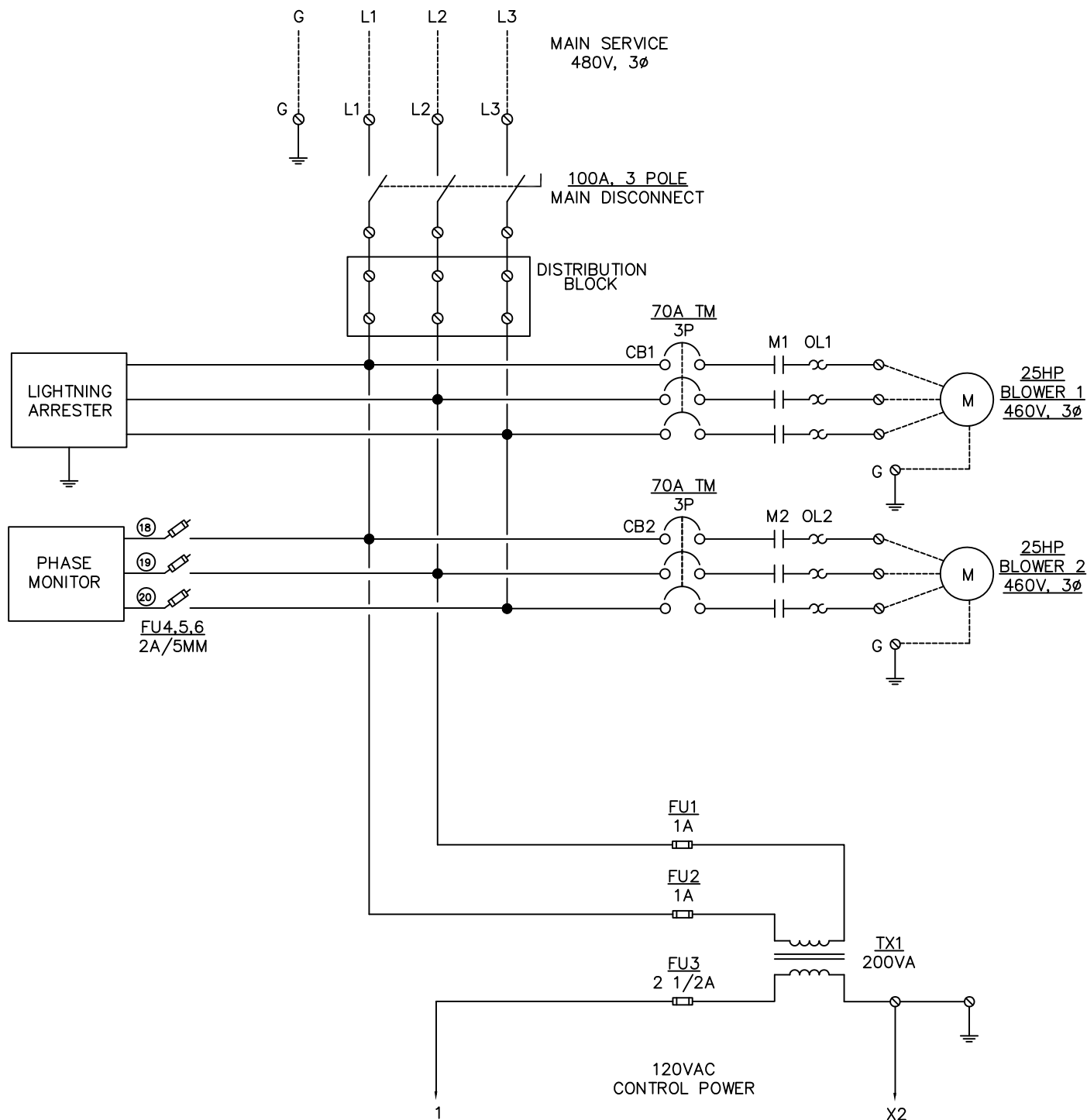
OPTIONS:

SEAL FAIL LIGHTS	<u></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 ABB</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: ENVIRONMENTAL CONSTRUCTION CORP.
TAG : BEAU CHENE WWTP

SHIP TO: PASS CHRISTIAN, MS

	Drawing Title						
	PANEL DESCRIPTION						
DATE 6/23/03		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;">  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX BLOWER CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1591
							SHEET NUMBER 1



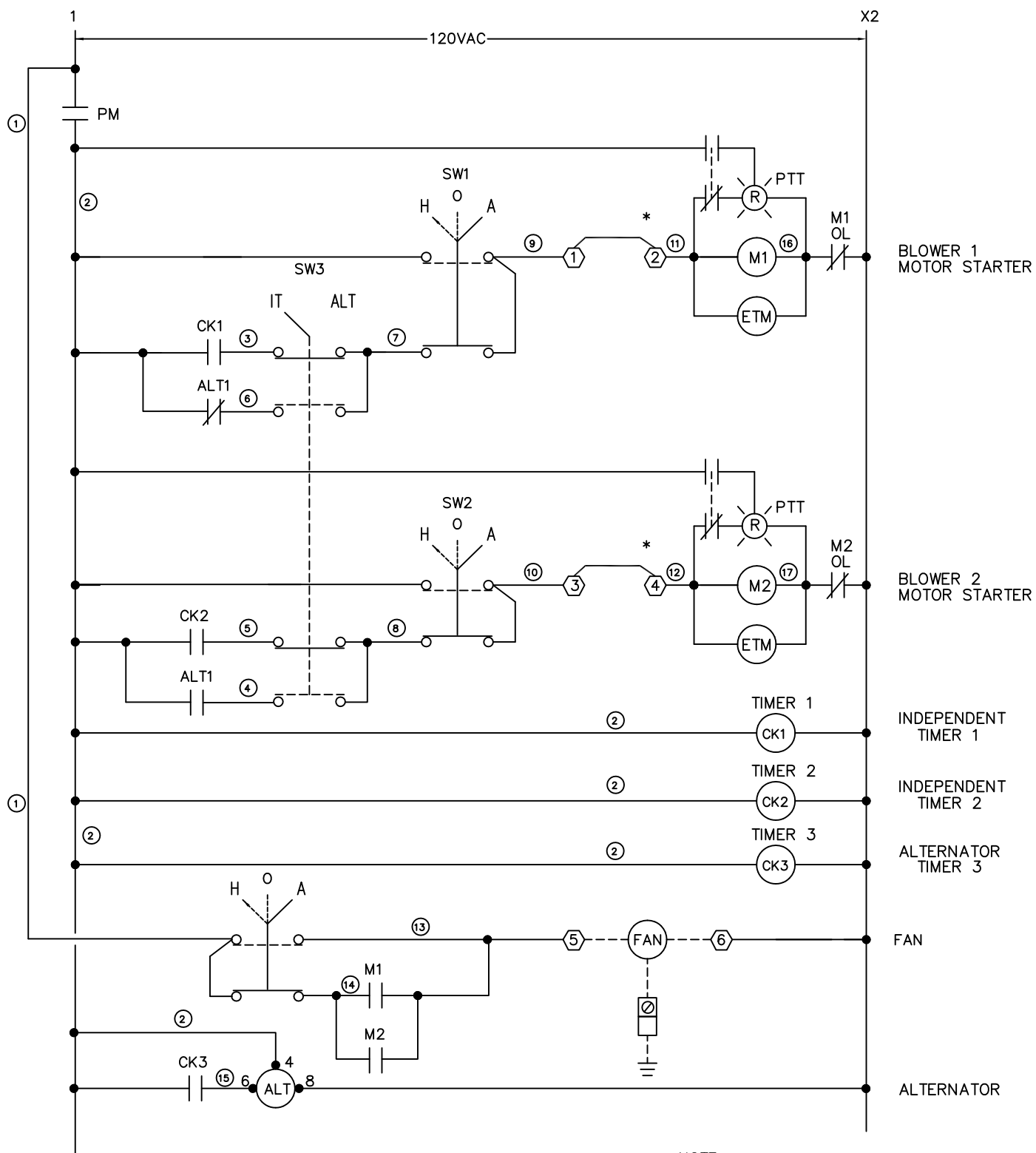
	Drawing Title								
	POWER DIAGRAM								
DATE	6/23/03	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED			
	Project Title							PURCHASE ORDER NUMBER	
	DUPLEX BLOWER CONTROL PANEL							DRAWING NUMBER CP-1591	
								SHEET NUMBER	2

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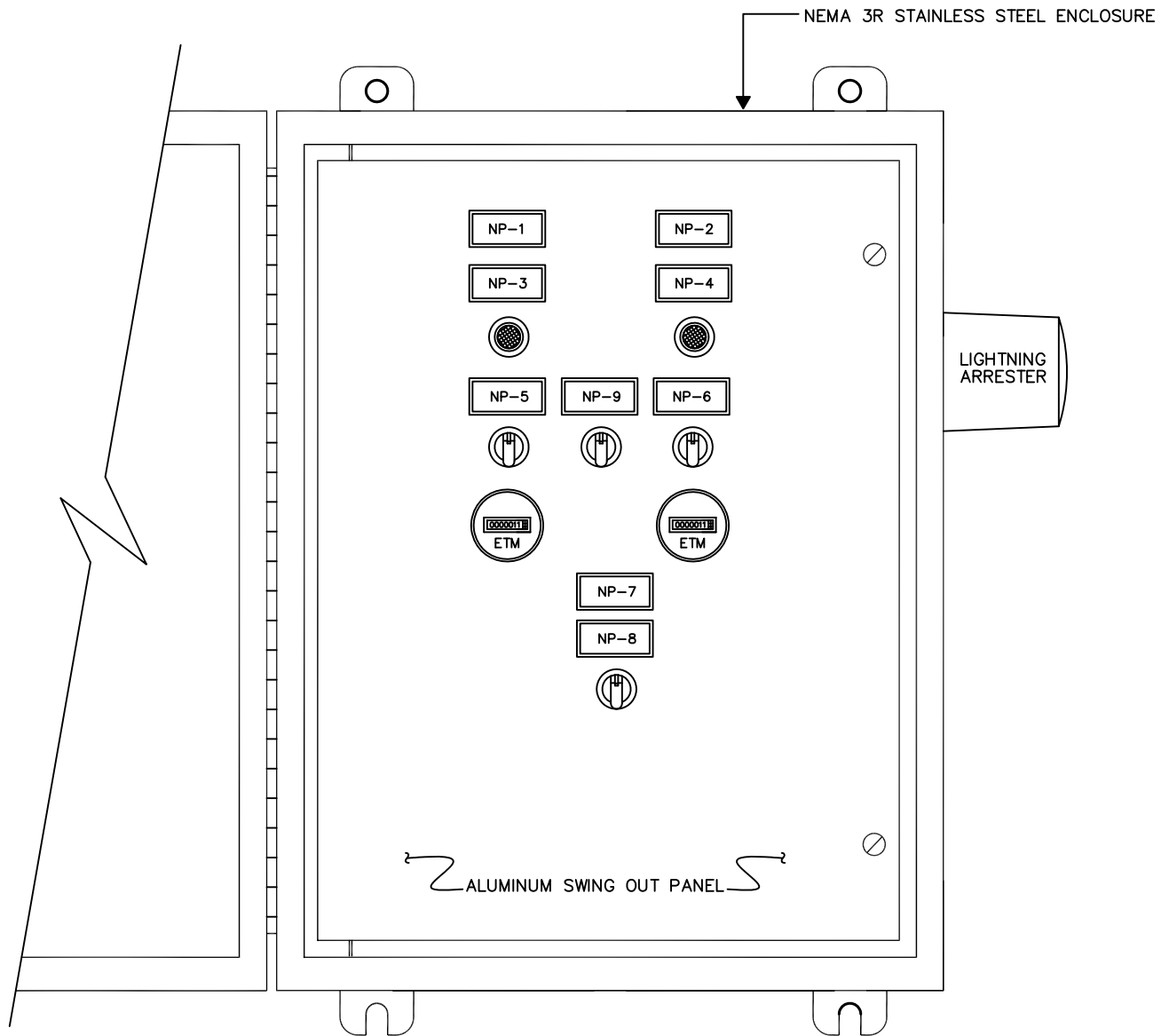
Ph. (225)756-3271
Fax (225)756-1030



NOTE:
 TO OPERATE WITH TIMERS ON EACH BLOWER
 SET SW3 TO "CLOCK".
 TO OPERATE BLOWERS WITH ALTERNATOR
 SET SW3 TO "ALTERNATOR".

* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

Drawing Title	CONTROL DIAGRAM					
DATE 6/23/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
Project Title	COX			PURCHASE ORDER NUMBER		
DUPLEX BLOWER CONTROL PANEL	Research and Technology, Inc.			DRAWING NUMBER CP-1591		
	P.O. Box 77808 Baton Rouge, LA 70809			SHEET NUMBER 3		
	Ph. (225)756-3271 Fax (225)756-1030					



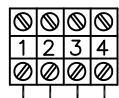
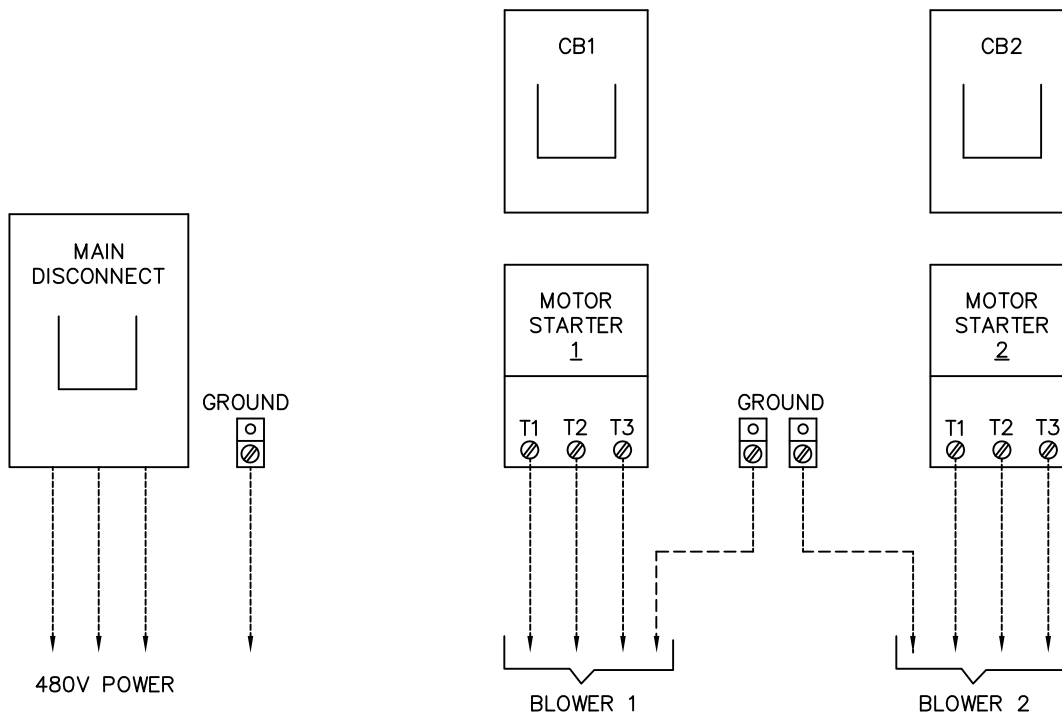
VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	BLOWER 1
NP-2	BLOWER 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	FAN
NP-8	HOA
NP-9	CLOCK-ALT.

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								
DATE 6/23/03		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
					BY C. RACHAL		BY	DATE	
	Project Title					P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	DUPLEX BLOWER CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1591		
							SHEET NUMBER 4		



REMOVE JUMPERS & INSTALL
LOCKOUT DEVICES IF REQUIRED

	Drawing Title						
	EXTERNAL CONNECTIONS						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
6/23/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED	
	Project Title				PURCHASE ORDER NUMBER		
	DUPLEX BLOWER CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809	DRAWING NUMBER CP-1591	
					Ph. (225)756-3271 Fax (225)756-1030	SHEET NUMBER	5

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S24208REPL	ENCLOSURE 3R STAINLESS STEEL
1a	1	EBE	A2420P	BACKPLATE
1b	1	EBE	A2420SP	DEAD FRONT
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	ABB	S1N070TL	CB1, CB2
4	2	ABB	A50N2-30-11-84	MOTOR STARTER
5	2	ABB	TA75DU42	OVERLOAD (29-42A)
6	3	ACI	JR22P3M20B	HOA SWITCH
7	1	SQUARE D	9070TF200D1	CONTROL TRANSFORMER
8	1	CH	CHSA03	LIGHTNING ARRESTER
9	3	DEIHL	2A519	TIMER W/BATTERY BACKUP
10	1	SSAC	PLMU11	PHASE MONITOR
11	2	ACI	JR22BL11R	PTT PILOT LIGHT
12	2	GRASSLIN	UWZ52L	ETM
13	1	ACI	JR22P2M11B	2 POSITION SWITCH
14	1	TIMEMARK	261DT120	ALTERNATOR
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 6/23/03		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-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-1591 SHEET NUMBER <div style="text-align: right;">6</div>
	DUPLEX BLOWER CONTROL PANEL						