
COX

Research and Technology, Inc.

DUPLEX BLOWER
CONTROL PANEL
WOMACK TRENCHING
WINNSBORO STP
3HP

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

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	3	
FLA	9.6	
TYPE OF PUMP	Blower	(Self-Priming, Submersible)
MANUFACTURER		
CATALOG NUMBER		
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, Bubbler, Other)
CAPACITORS		(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

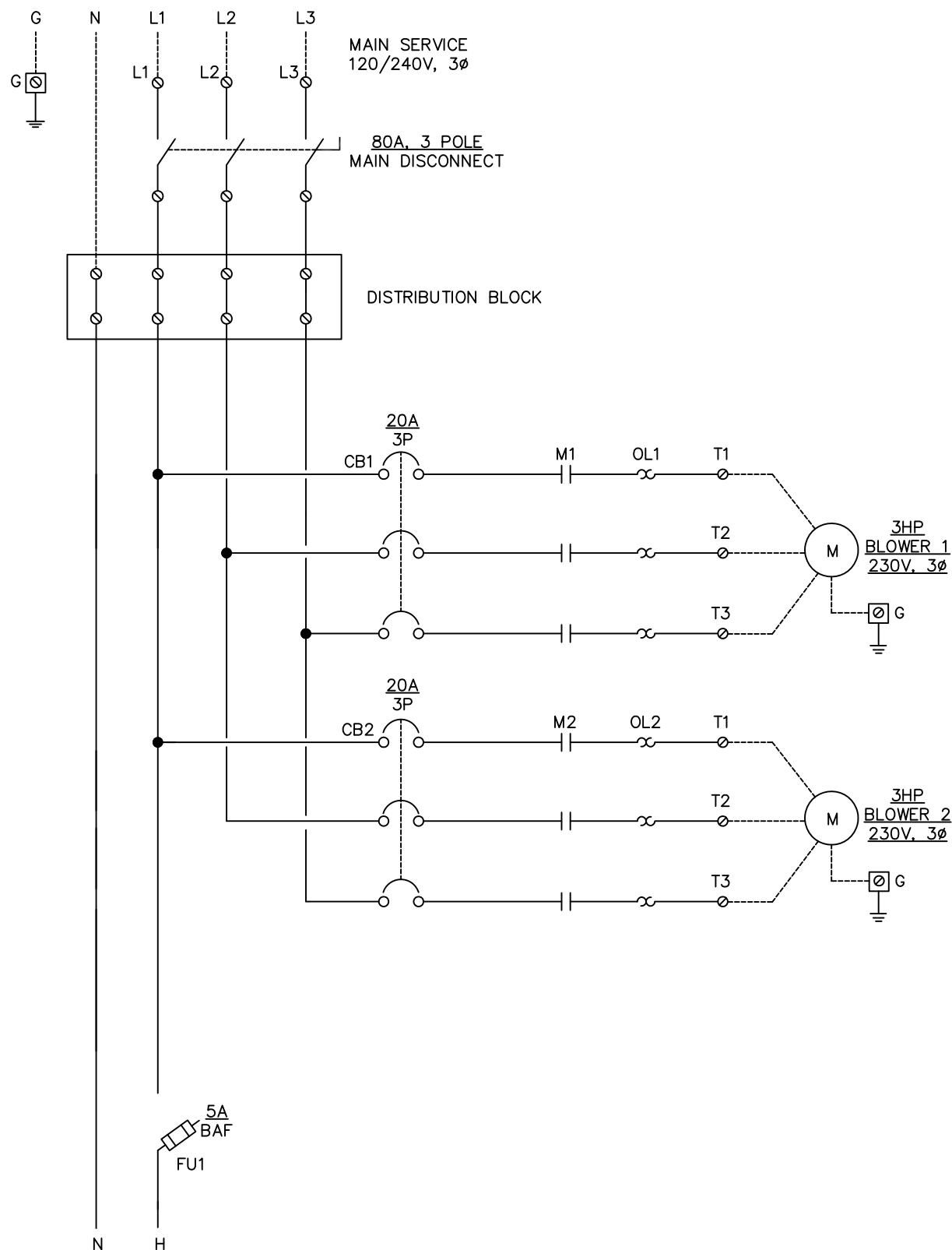
OPTIONS:

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	
ELAPSED TIME METER	
PHASE MONITOR	
NEMA RATED STARTERS	
GROUND FAULT RECPT.	
GREEN RUN LIGHTS VS. RED	
POLE, BOX, SEAL	
INTRINSICALLY SAFE RELAYS	
HIGH TEMP. LOCKOUT, MANUAL RESET	
ECONOMY VERSION	

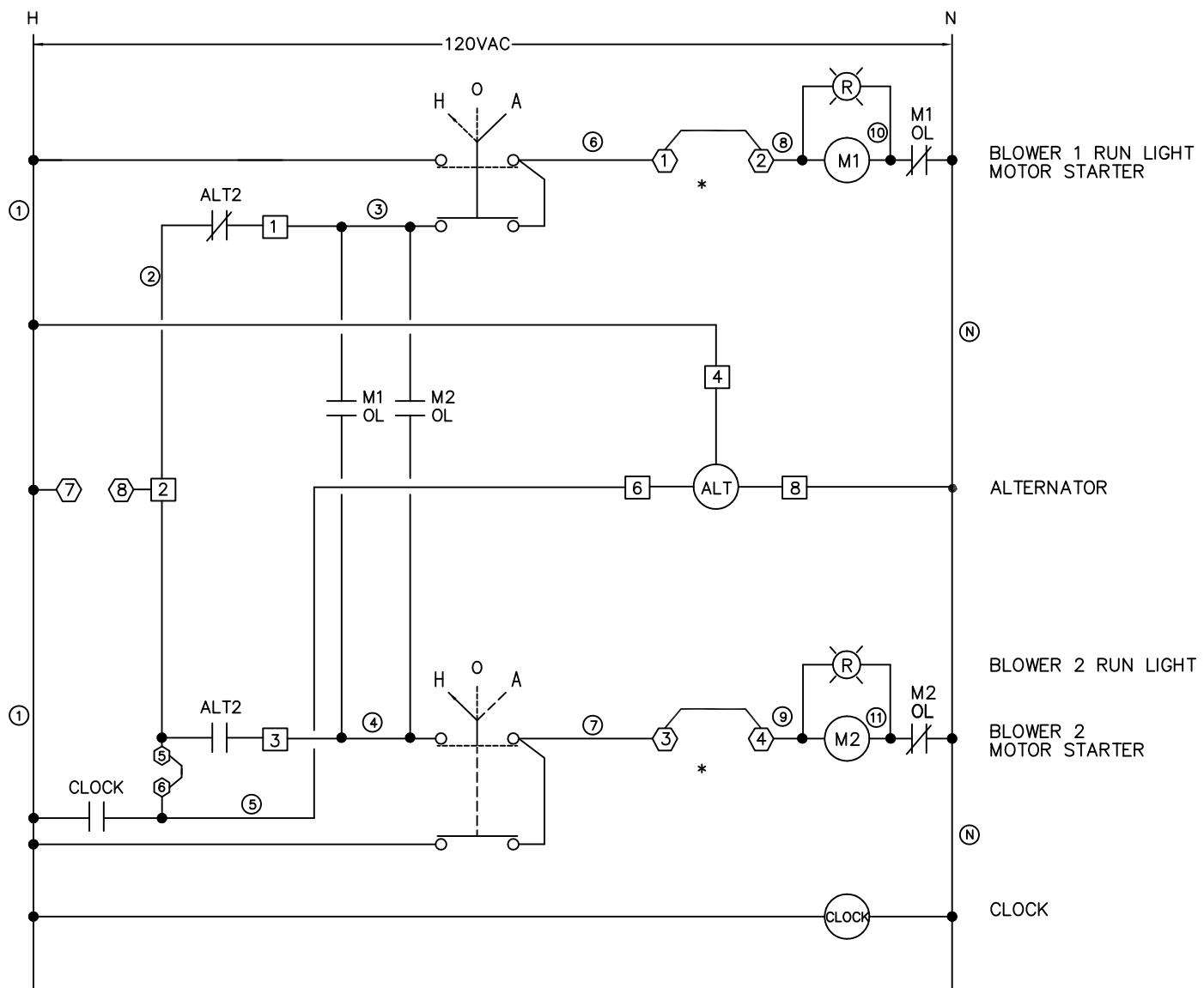
SOLD TO: Delta Process - Ruston, LA
TAG : Womack Trenching
 Winnsboro STP

SHIP TO: Delta Process - Ruston, LA

	Drawing Title PANEL DESCRIPTION DATE 4/01/05						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title DUPLEX BLOWER CONTROL PANEL	<hr/> <hr/> COX <hr/> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2027	
					Ph. (225)756-3271 Fax (225)755-1030	SHEET NUMBER 1	



	Drawing Title POWER DIAGRAM					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 4/01/05		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED
			C.C.	R.C.	BY C. RACHAL	BY DATE
Project Title DUPLEX BLOWER CONTROL PANEL	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2027	
					SHEET NUMBER 2	

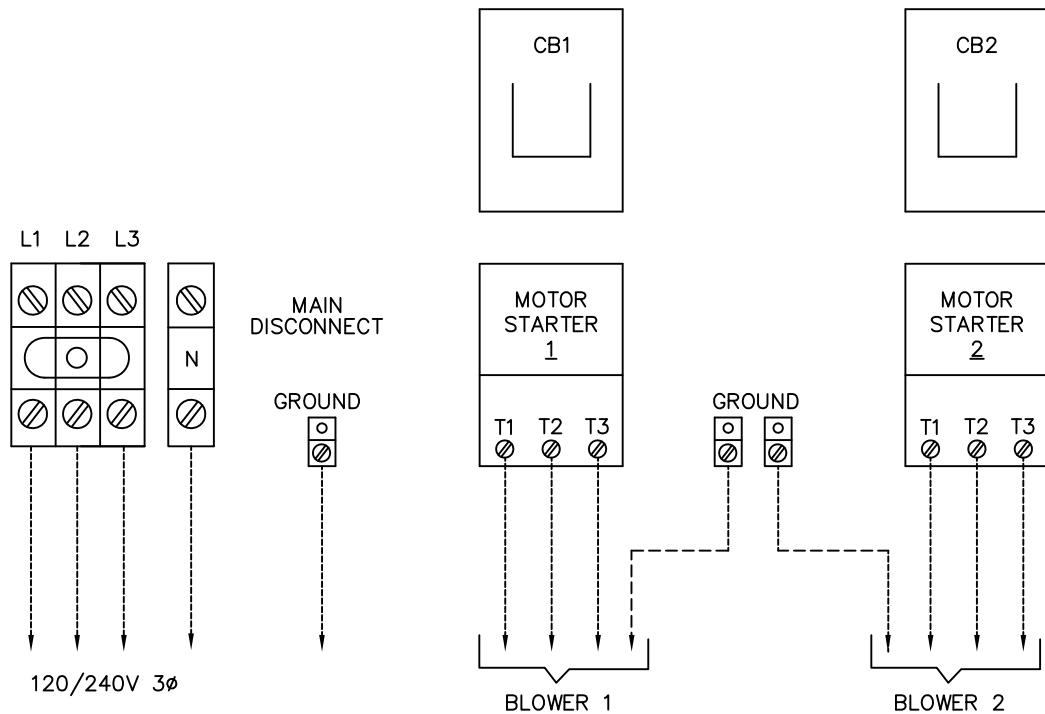


PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

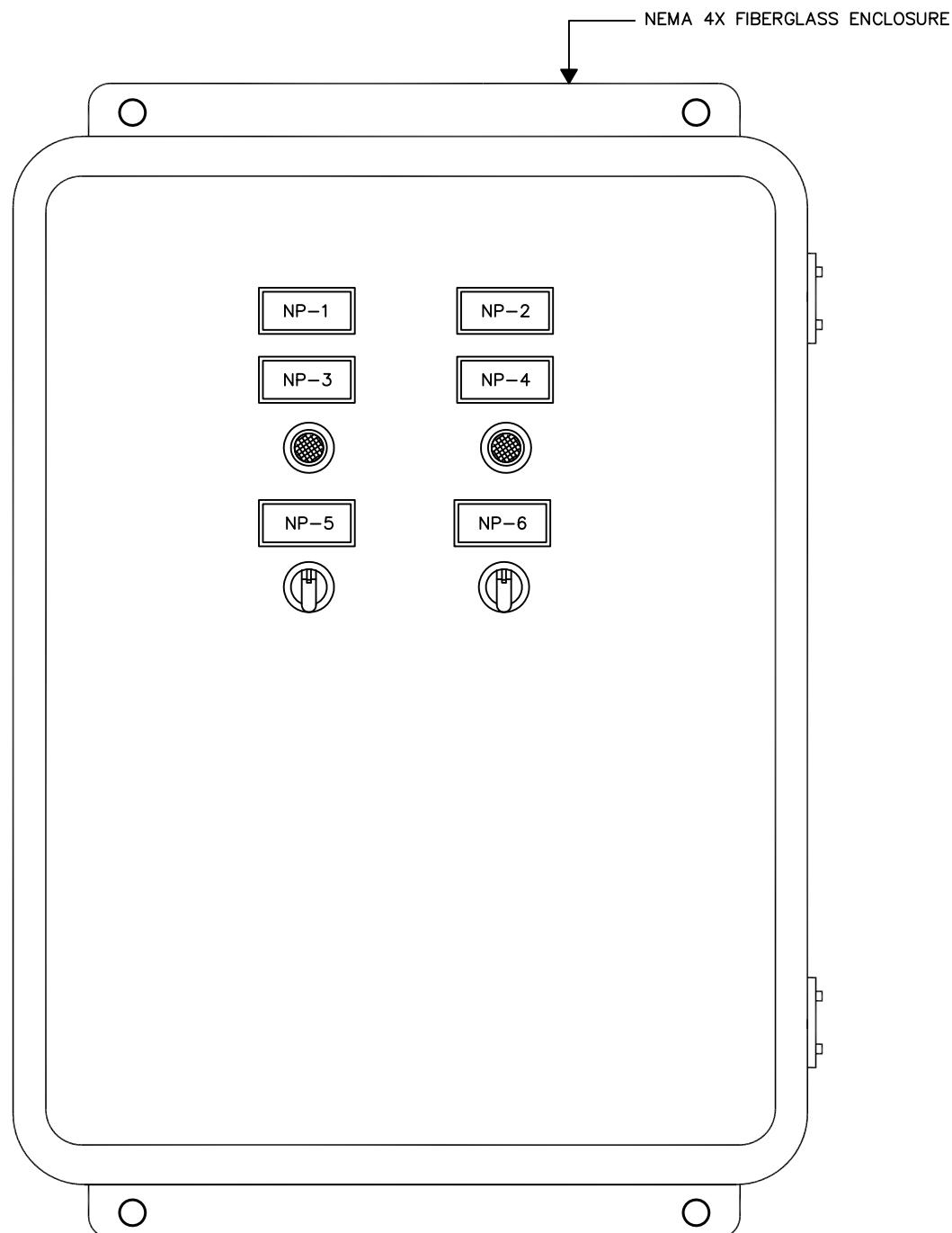
IF NO OFF TIME IS REQUIRED BETWEEN ALTERNATION, REMOVE JUMPER FROM TERMINALS ⑤ AND ⑥. PLACE JUMPER ACROSS TERMINALS ⑦ AND ⑧. NOW AERATORS WILL RUN CONTINUOUSLY. SET 1 PIN IN AT THE TIME YOU WISH THE AERATORS TO ALTERNATE. ALL REMAINING PINS SHOULD BE PUSHED OUT.

* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title									
	CONTROL DIAGRAM									
DATE 4/01/05	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN		DATE BY	
	S/N	Sales Engineer	Application Engineer	R.C.	DRAWN	BY C. RACHAL	BY	APPROVED	DATE	BY
	Project Title		<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER			
	DUPLEX BLOWER CONTROL PANEL				DRAWING NUMBER		CP-2027		SHEET NUMBER	
									3	



	Drawing Title					
	EXTERNAL CONNECTIONS					
DATE 4/01/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE	BY
Project Title DUPLEX BLOWER CONTROL PANEL	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2027 SHEET NUMBER 4	



VIEW OF FRONT COVER

NAMEPLATE SCHEDULE

NP-1	BLOWER 1
NP-2	BLOWER 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

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
DATE 4/01/05	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			BY
		C.C.	R.C.	BY C. RACHAL	DATE			BY DATE
	Project Title DUPLEX BLOWER CONTROL PANEL	<u>COX</u> Research and Technology, Inc. <u> </u>			P.O. Box 77808 Baton Rouge, LA 70809			PURCHASE ORDER NUMBER
								DRAWING NUMBER CP-2027
					Ph. (225)756-3271 Fax (225)755-1030			SHEET NUMBER 5

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPL	ENCLOSURE
2	1	STAHLIN	P1816AL	BACKPLATE
3	2	ABB	A16-30-10-84	STARTER
4	2	ABB	TA25DU11	O.L. (7.5-11A)
5	2	SQUARE D	QOU320	CIRCUIT BREAKER 1,2
6	2	ACI	JR22P3M20B	H.O.A. SWITCH
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	1	GRASSLIN	FM/1 STUZH-L	TIMER
9	2	ACI	JR22FR	RED PILOT LIGHT
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	1	MARATHON	1321580	NEUTRAL BLOCK
12	1	ABB	OT63E3	DISCONNECT SWITCH
13				
14				
15				
16				

	Drawing Title									
	BILL OF MATERIALS									
DATE 4/01/05	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY			
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED				
			C.C.	R.C.	BY C. RACHAL	BY DATE				
	Project Title		<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER				
	DUPLEX BLOWER CONTROL PANEL					DRAWING NUMBER				
						CP-2027				
						SHEET NUMBER				
						6				