
COX

Research and Technology, Inc.

DUPLEX 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	208V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	7.8	
TYPE OF PUMP	Blower	(Self-Priming, Submersible)
MANUFACTURER	U.S. ELEC.	
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		

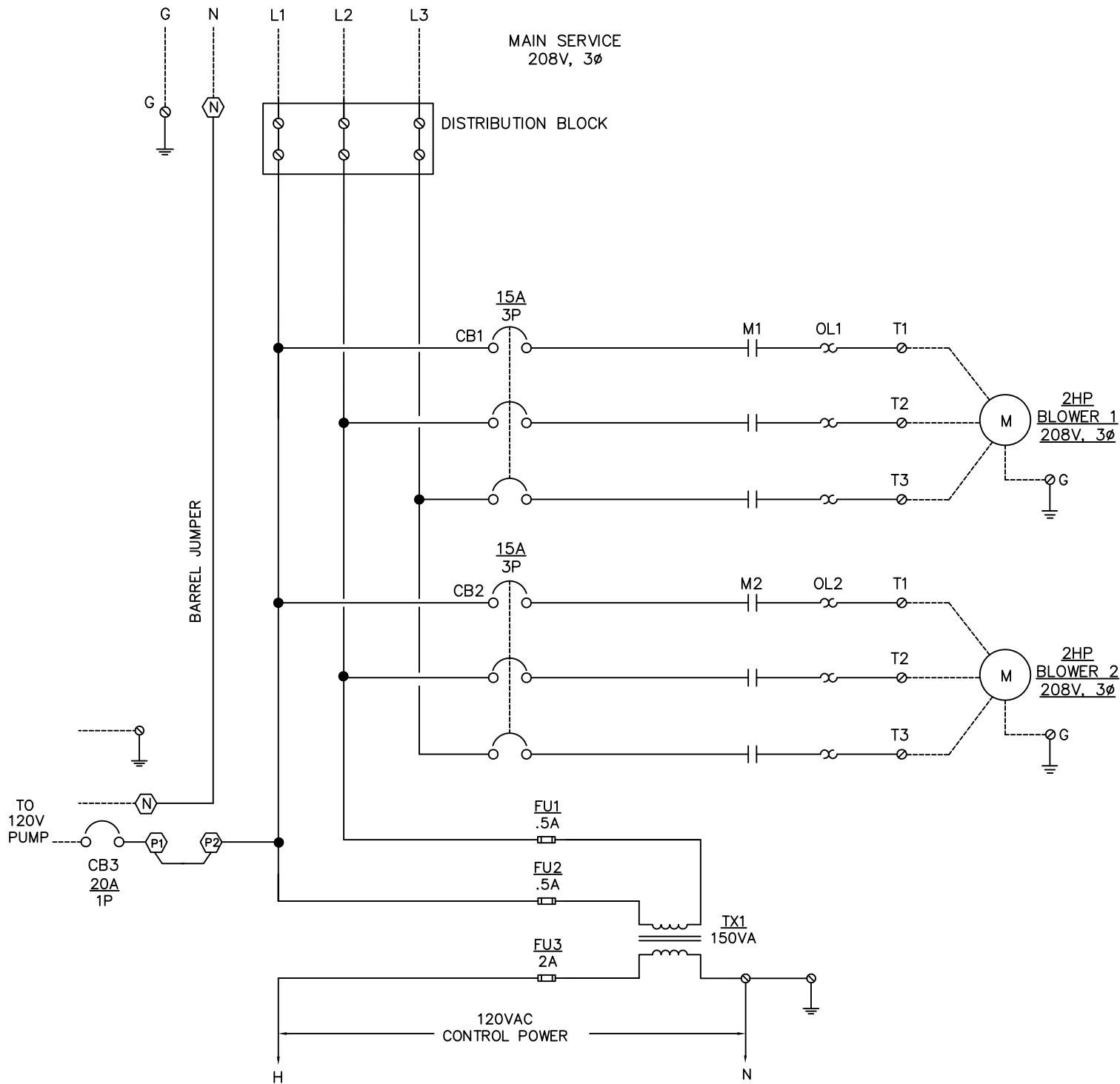
OPTIONS:

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
TAG : Jones Brothers

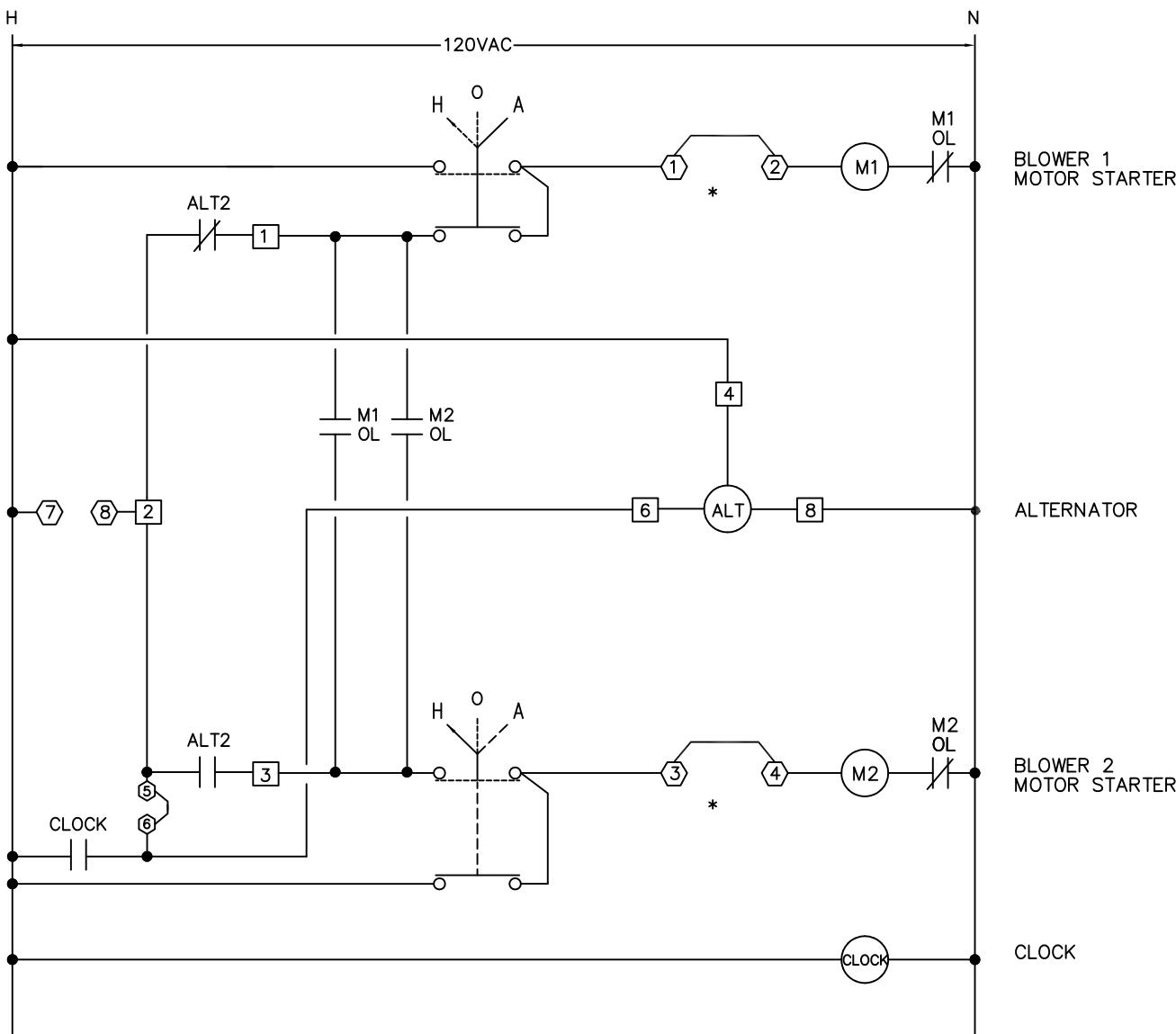
SHIP TO: _____

	Drawing Title PANEL DESCRIPTION DATE 10/11/02						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED	
				BY CTR	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	
					Ph. (225)756-3271 Fax (225)756-1030	CP-1529	
						SHEET NUMBER	
						1	



* IF INCOMING POWER IS 208V 3Ø 3W, REMOVE JUMPER FROM TERMINALS P1 AND P2.
BRING IN SEPARATE 120V POWER TO TERMINALS P1 AND N.
WIRE PUMP TO N AND PUMP CIRCUIT BREAKER, CB-3

	Drawing Title							
	POWER DIAGRAM							
DATE 2/19/03	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer	Application Engineer	R.C.	DRAWN BY CTR	APPROVED BY DATE		
	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-1529		SHEET NUMBER 2	

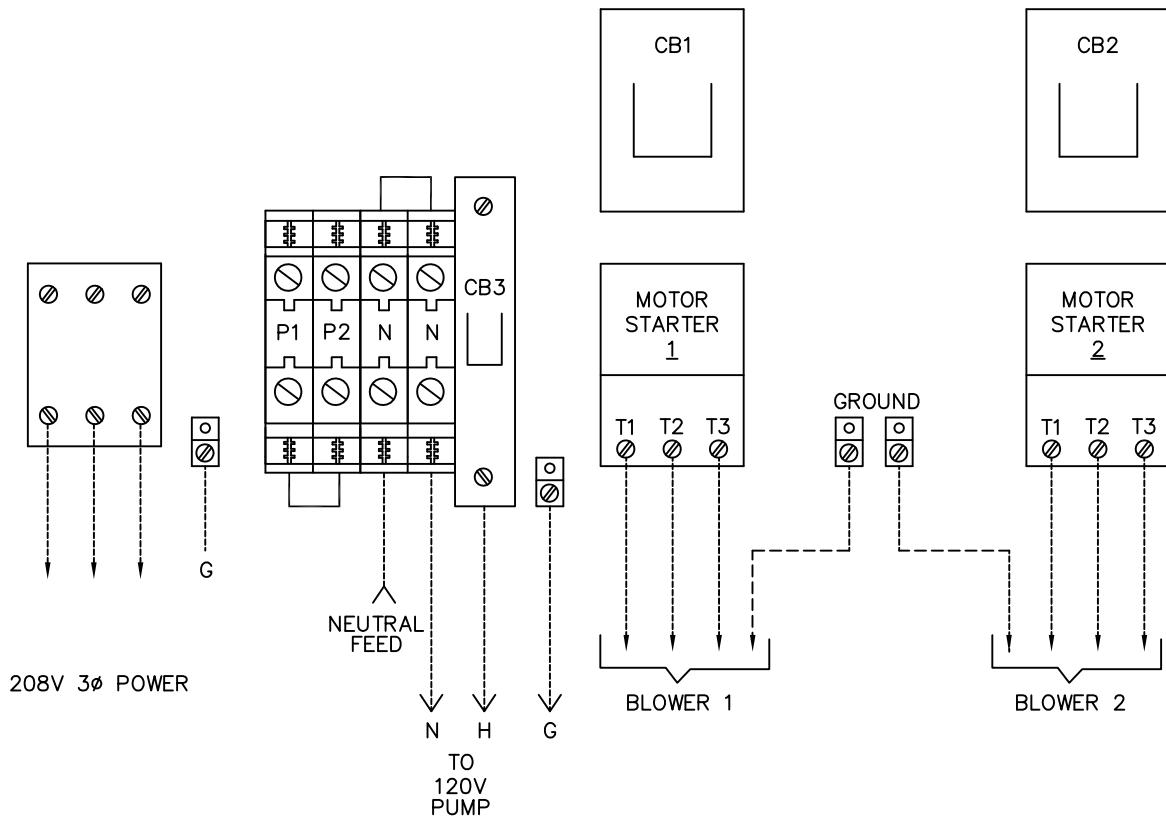


PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

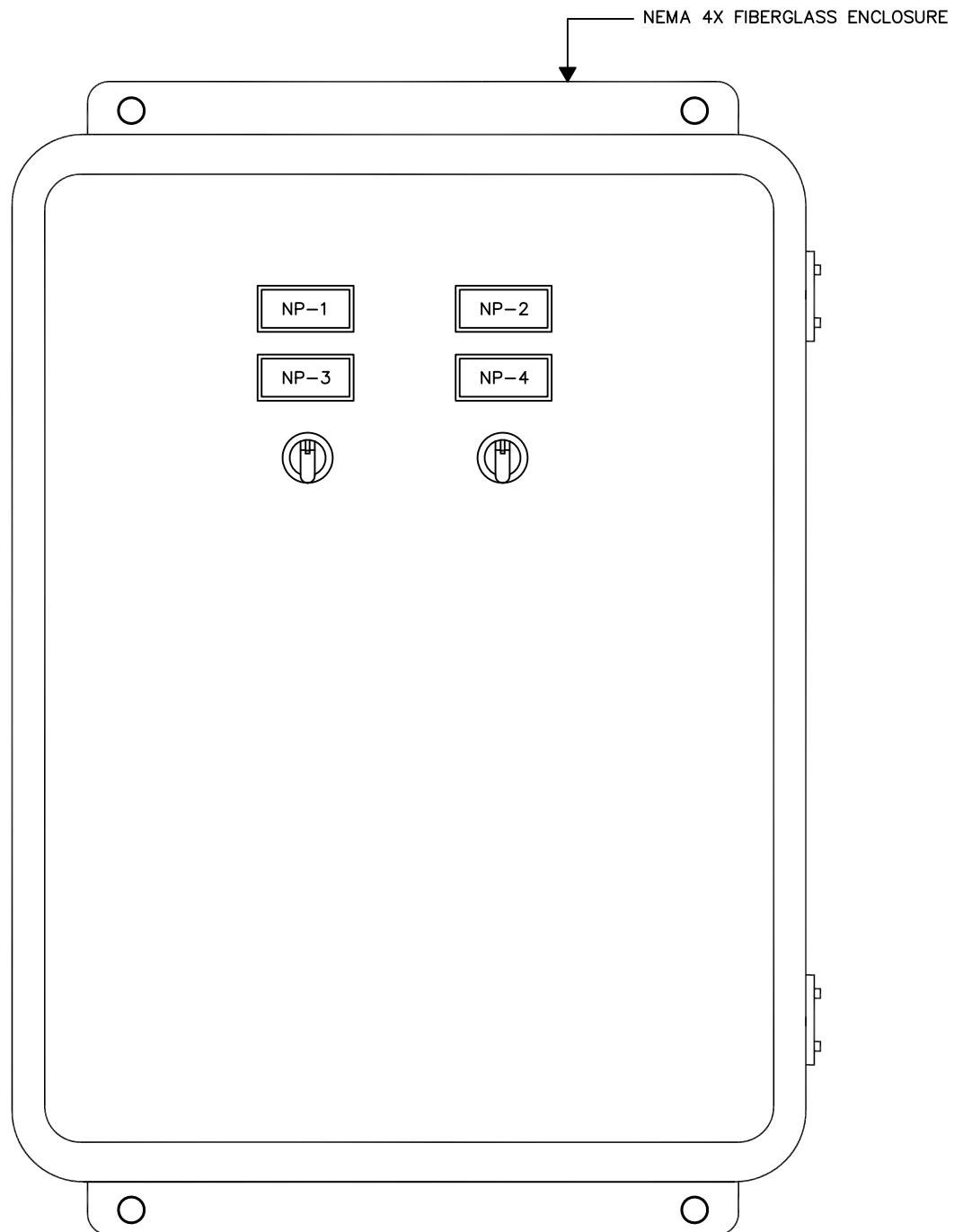
IF NO OFF TIME IS REQUIRED BETWEEN ALTERNATION, REMOVE JUMPER FROM TERMINALS ⑤ AND ⑥. PLACE JUMPER ACROSS TERMINALS ⑦ AND ⑧. NOW AERATORS WILL RUN CONTINUOUSLY. SET 1 PIN IN AT THE TIME YOU WISH THE AERATORS TO ALTERNATE.
ALL REMAINING PINS SHOULD BE PUSHED OUT.

* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title							
	CONTROL DIAGRAM							
DATE 2/19/03	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.		DRAWN BY CTR	APPROVED BY DATE		
	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-1529		SHEET NUMBER	
							3	



	Drawing Title EXTERNAL CONNECTIONS				
DATE 2/19/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY DATE
	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)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1529 SHEET NUMBER 4



VIEW OF FRONT COVER

NAMEPLATE SCHEDULE

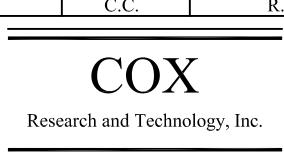
NOTE:
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

NP-1	BLOWER 1
NP-2	BLOWER 2
NP-3	HOA
NP-4	HOA

	Drawing Title ENCLOSURE	REFERENCE DRAWING				NO.	REVISION-LOCATION		ECN	DATE	BY	
		S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED					
DATE 2/19/03	Project Title DUPLEX BLOWER CONTROL PANEL	<hr/> <hr/> COX Research and Technology, Inc. <hr/> <hr/>				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER					
							DRAWING NUMBER CP-1529					
							SHEET NUMBER 5					

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1816HWPL2	ENCLOSURE
2	1	VYNCKIER	BP1816AL	BACKPLATE
3	2	ABB	A16-30-10-84	STARTER
4	2	ABB	TA25DU8.5	O.L. (6.0-8.5A)
5	2	SQUARE D	QOU315	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	1	SQUARE D	9070TF150D20	TRANSFORMER
10	1	SQUARE D	QOU120	CB3
11				

	Drawing Title BILL OF MATERIALS					
		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE
DATE 2/19/03		Sales Engineer	Application Engineer R.C.			
	Project Title DUPLEX BLOWER CONTROL PANEL	 COX <small>Research and Technology, Inc.</small>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1529 SHEET NUMBER 6