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# COX

Research and Technology, Inc.

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DUPLEX BLOWER  
CONTROL PANEL  
SUNCOAST SEPTIC

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	1/60	
NO. MOTORS	2	
HP	2	
FLA	10	
TYPE OF PUMP	Blower	(Self-Priming, Submersible)
MANUFACTURER	Reliance	
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		

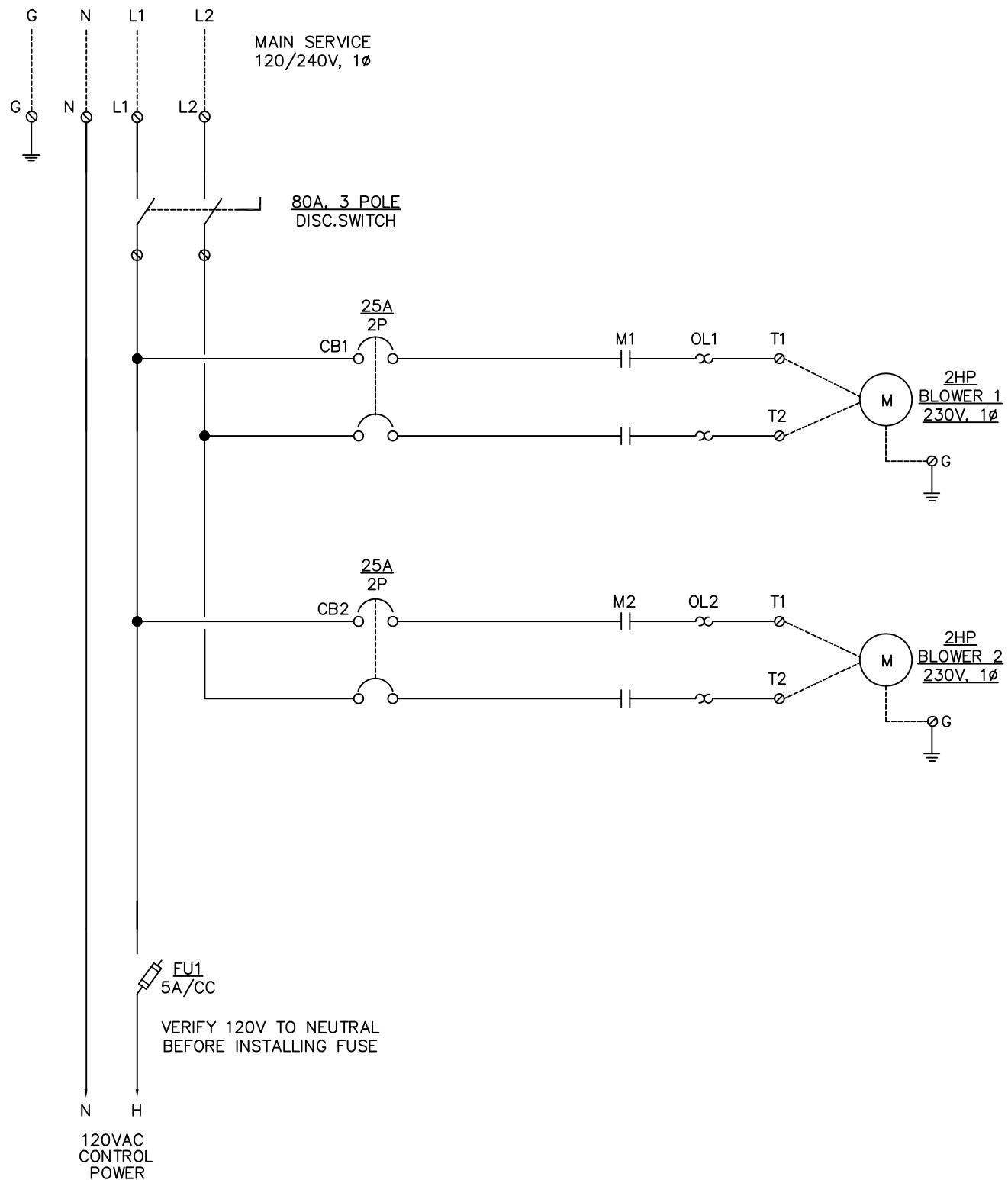
OPTIONS:

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	_____	

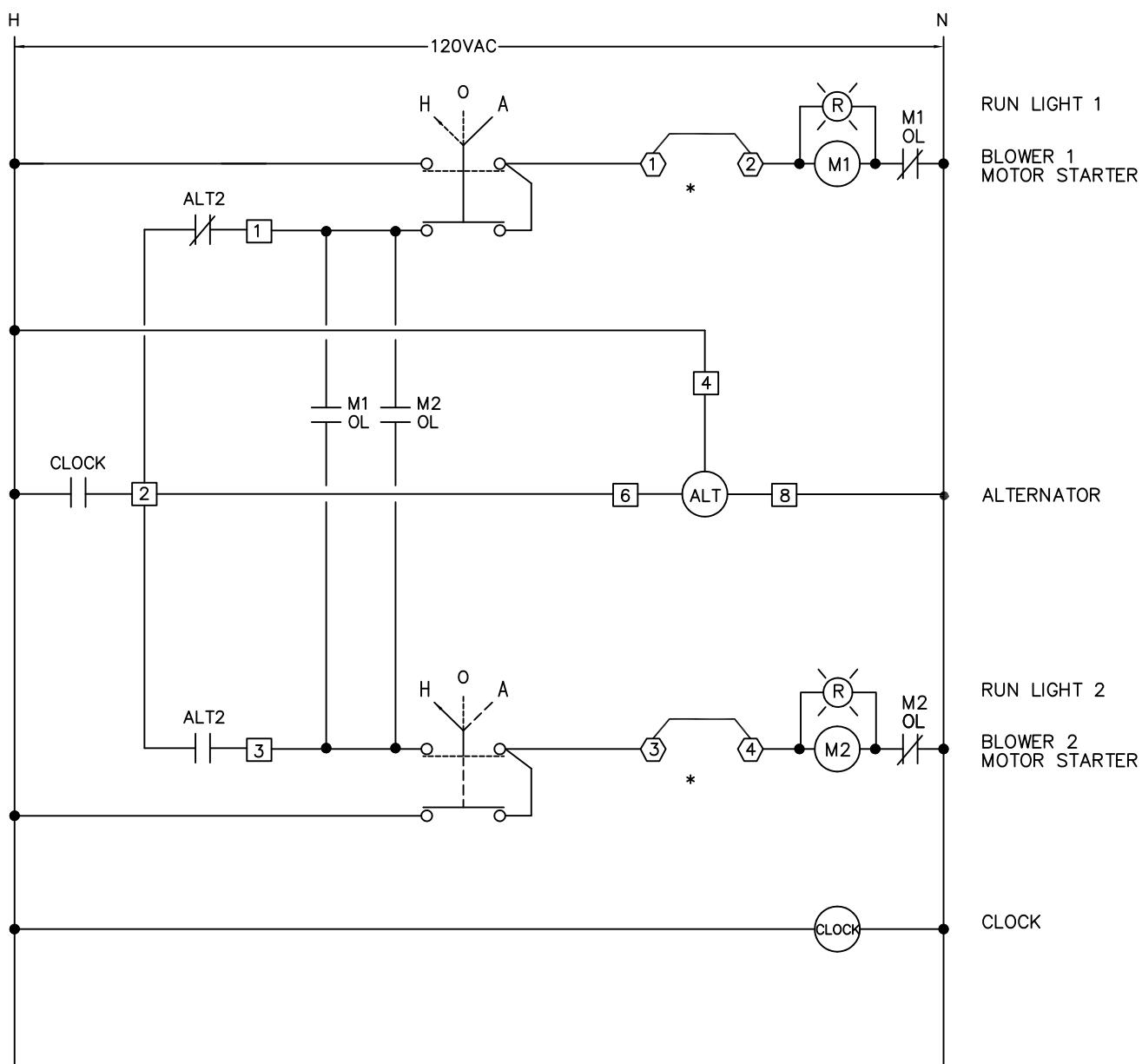
SOLD TO: Delta Process  
 TAG : Suncoast Septic

SHIP TO: Delta Process - Ruston, LA

	Drawing Title	PANEL DESCRIPTION								
			REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE	BY	
DATE	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED					
12/04/02	C.C.	R.C.	BY CTR	BY						
	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)756-1030		DRAWING NUMBER	CP-1503		
							SHEET NUMBER	1		

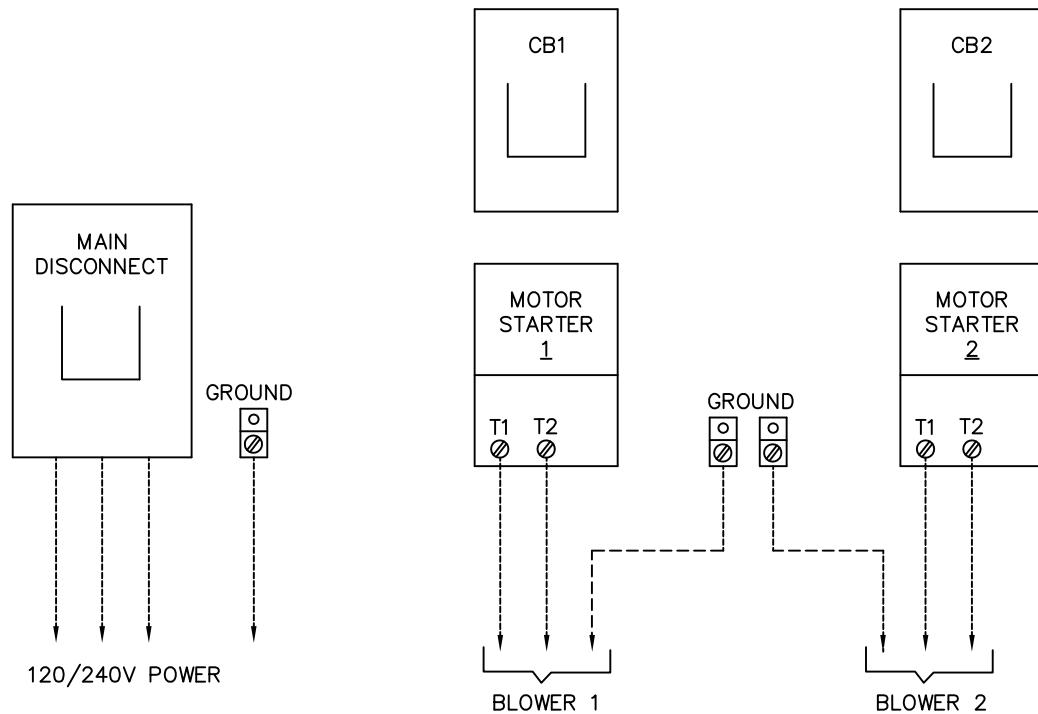


	Drawing Title  <b>POWER DIAGRAM</b>				
DATE 12/04/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE
	Project Title  <b>DUPLEX BLOWER CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1503  SHEET NUMBER 2	

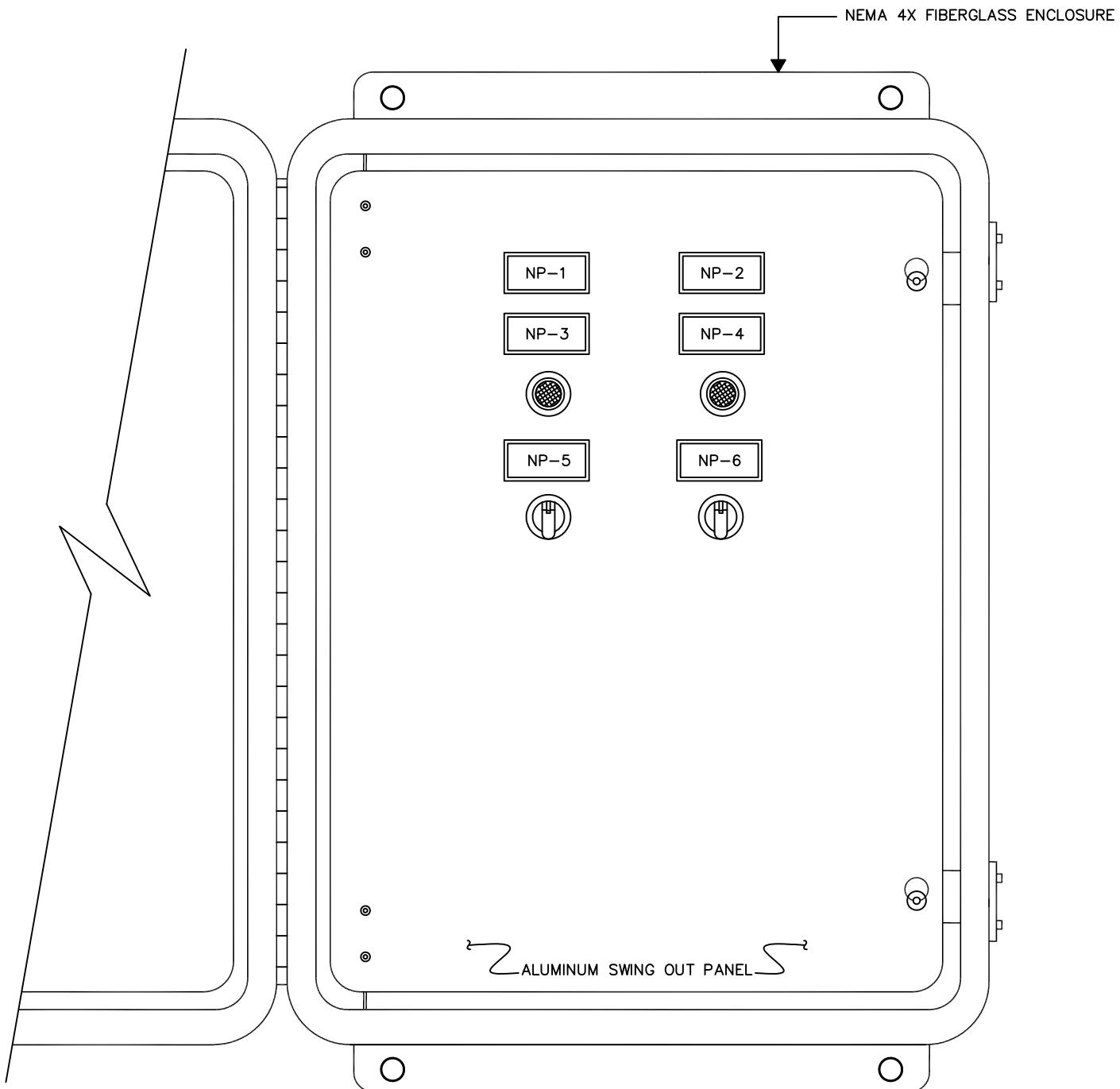


\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title  CONTROL DIAGRAM					
DATE 12/04/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
			DRAWN BY CTR		APPROVED BY	DATE
	Project Title  DUPLEX BLOWER CONTROL PANEL	<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>			PURCHASE ORDER NUMBER	
					DRAWING NUMBER	CP-1503
					SHEET NUMBER	3



	Drawing Title						
	EXTERNAL CONNECTIONS						
DATE 12/04/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE	BY	
	Sales Engineer	Application Engineer R.C.					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-1503 SHEET NUMBER 4			



#### 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.

DATE 12/04/02	Drawing Title  ENCLOSURE	REFERENCE DRAWING			NO. C.C.	REVISION-LOCATION		ECN	DATE BY
		S/N	Sales Engineer	Application Engineer		DRAWN BY CTR	APPROVED 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)756-1030	DRAWING NUMBER CP-1503
	SHEET NUMBER 5

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
2	1	STAHLIN	BP1816AL	BACKPLATE
3	2	ABB	A16-30-10-84	STARTER
4	2	ABB	TA25DU11	O.L. (7.5-11A)
5	2	SQUARE D	QOU225	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	6SC30A1I	FUSE HOLDER
11	1	ABB	OT63E3	DISCONNECT SWITCH

	Drawing Title							
	BILL OF MATERIALS							
DATE 12/04/02	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY	
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
			C.C.	R.C.	BY CTR	BY DATE		
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER		
	DUPLEX BLOWER CONTROL PANEL		Research and Technology, Inc.			DRAWING NUMBER CP-1503		
						SHEET NUMBER 6		