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# COX

Research and Technology, Inc.

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## SIMPLEX 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	380V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/50	
NO. MOTORS	1	
HP	2	
FLA	3.8	
TYPE OF PUMP	Blower	(Self-Priming, Submersible)
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	110V	(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:

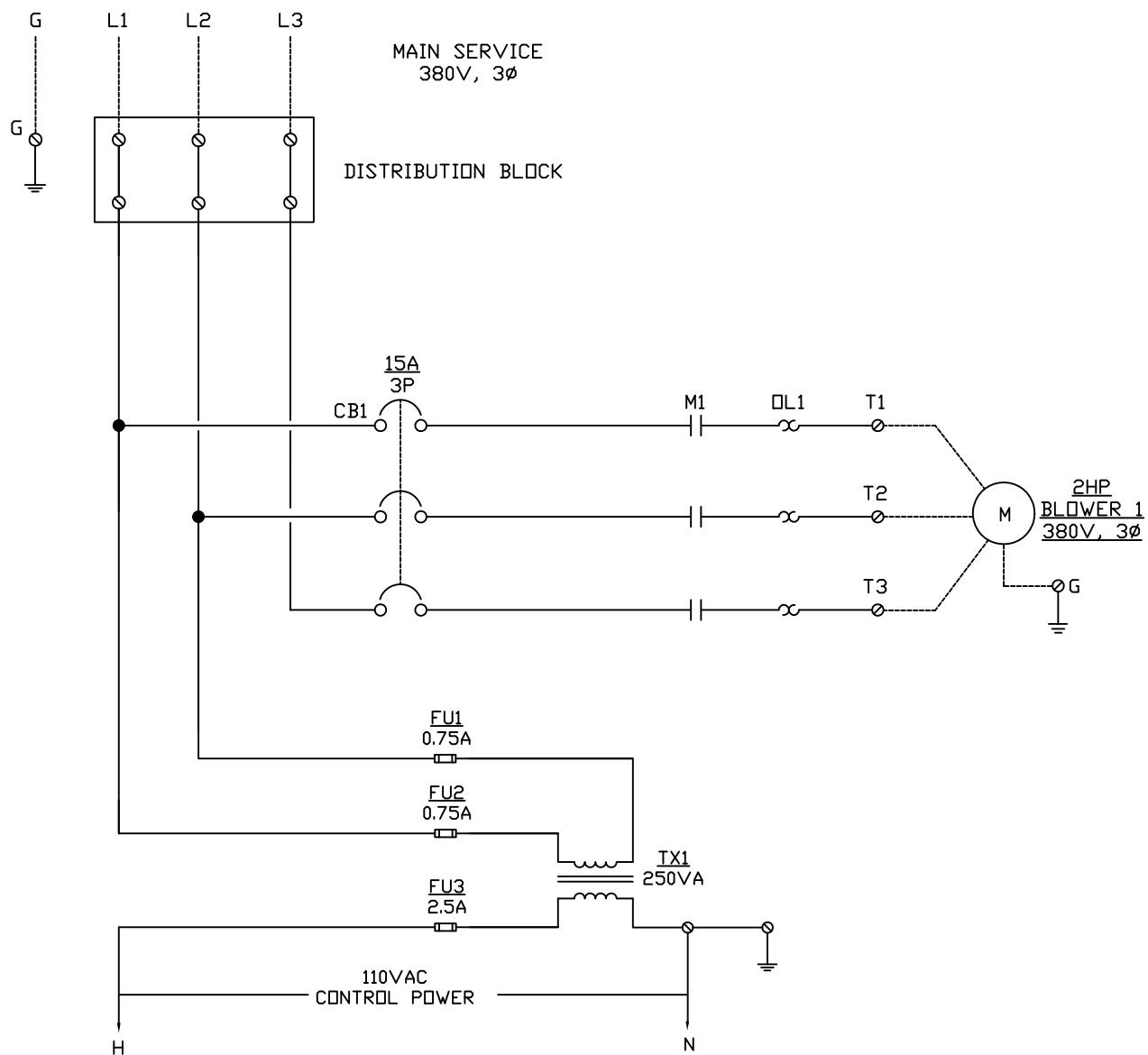
SEAL FAIL LIGHTS	<input type="checkbox"/>	(Submersible Only)
SEAL FAIL RELAYS	<input type="checkbox"/>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<input type="checkbox"/>	(Submersible Only)
HT PUMP SHUTDOWN	<input type="checkbox"/>	(Self-Primer, Submersible)
ALARM HORN	<input type="checkbox"/>	
ALARM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

SOLD TO: Delta Environmental  
TAG : Blower Control Panel  
            Africa

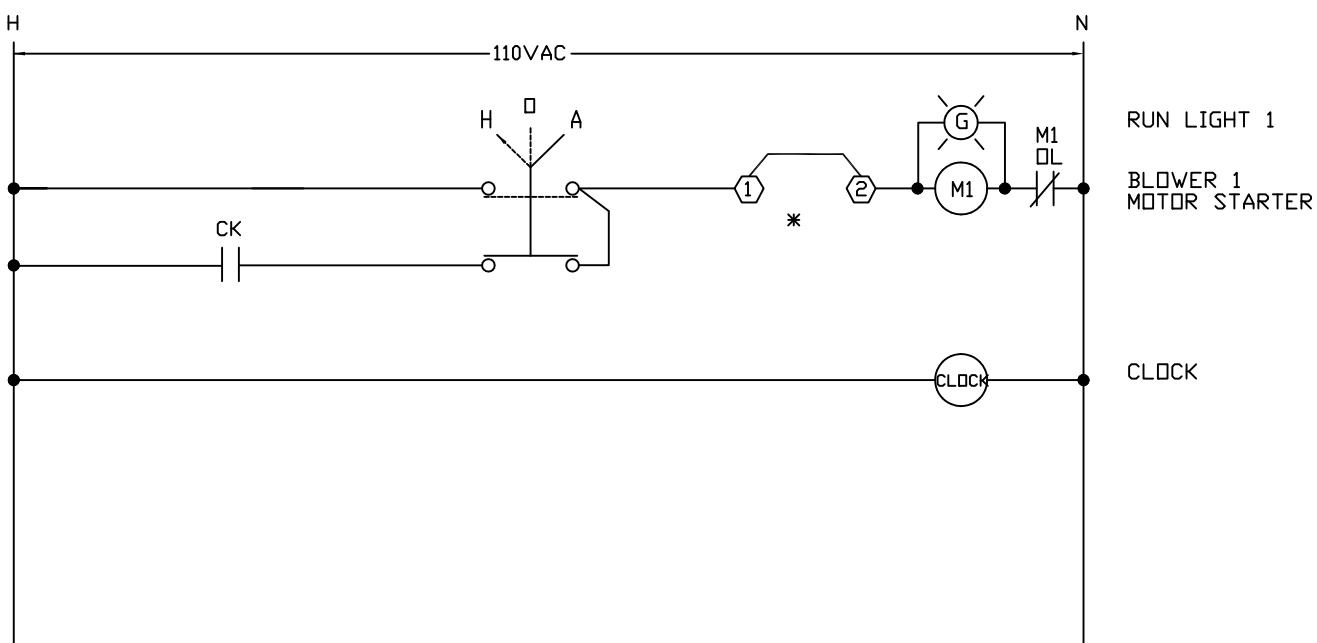
SHIP TO: Delta Environmental - Denham Springs, LA

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	Drawing Title  <b>PANEL DESCRIPTION</b>  DATE 11/07/02					
		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  <b>SIMPLEX BLOWER CONTROL PANEL</b>	<hr/> <hr/> <b>COX</b> <hr/> <hr/> 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-1484	
				SHEET NUMBER		I

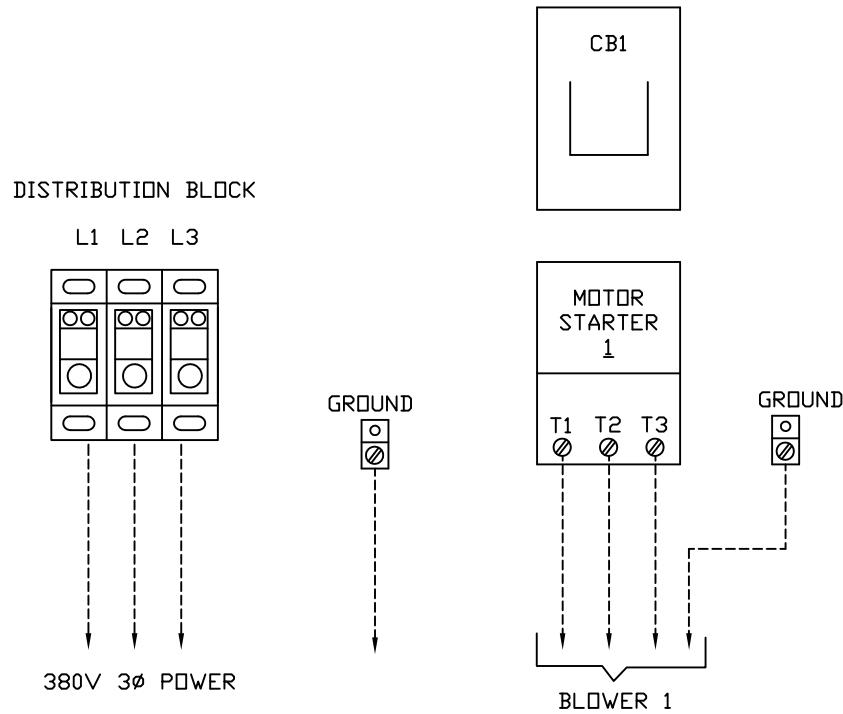


	Drawing Title  <b>POWER DIAGRAM</b>				
DATE 11/07/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
Project Title  <b>SIMPLEX BLOWER CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1484  SHEET NUMBER 2		

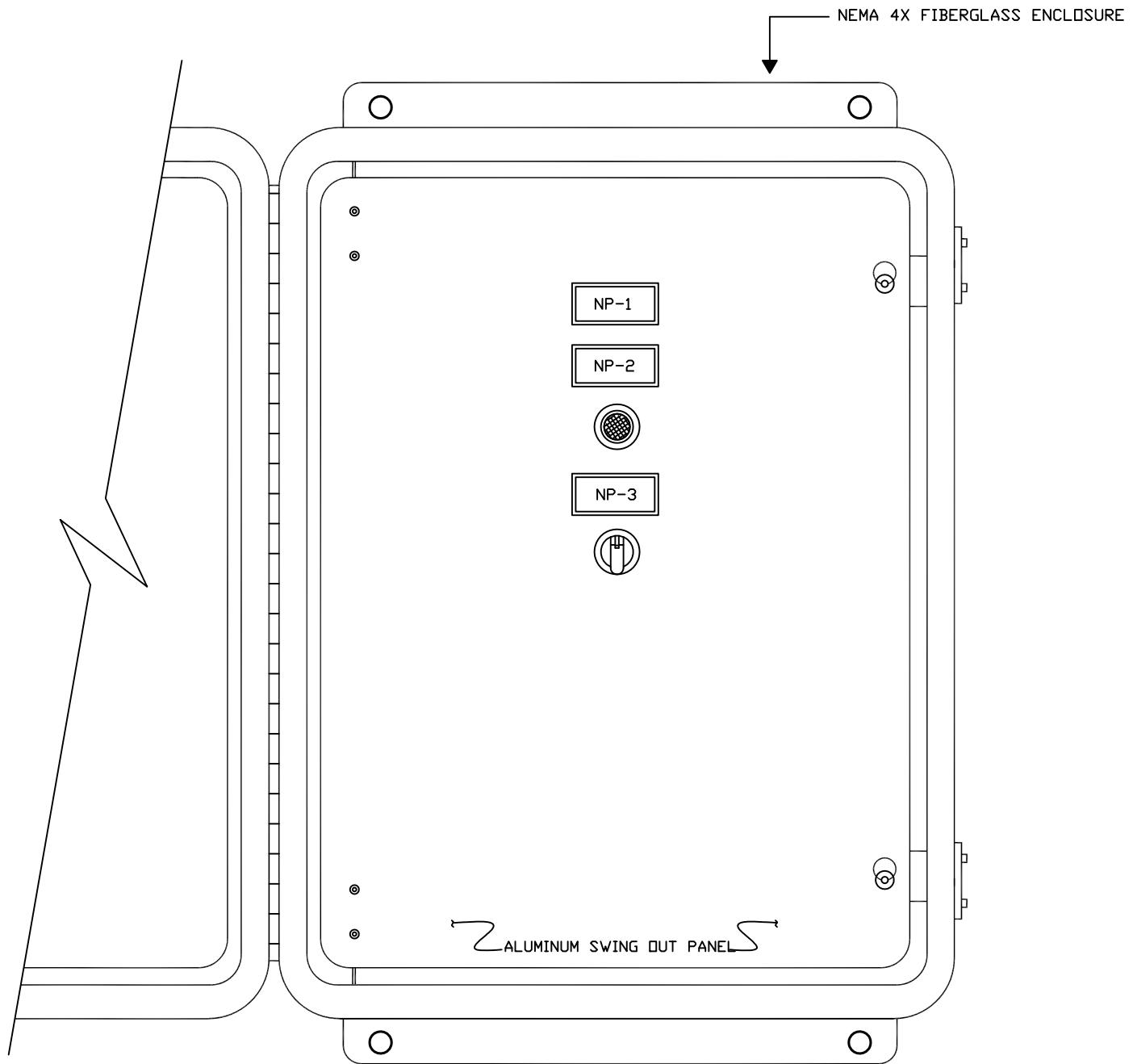


\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title  CONTROL DIAGRAM						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 11/07/02	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE	
	Project Title  SIMPLEX BLOWER CONTROL PANEL	<hr/> <b>COX</b> Research and Technology, Inc. <hr/>		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1484		
					SHEET NUMBER 3		



	Drawing Title  EXTERNAL CONNECTIONS  DATE 11/07/02						
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
		S/N	Sales Engineer	Application Engineer	DRAWN	DATE APPROVED	
			C.C.	R.C.	BY C. RACHAL	BY	DATE
	Project Title  SIMPLEX BLOWER CONTROL PANEL	<hr/> <hr/> <b>COX</b> <hr/> <hr/> 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-1484
					SHEET NUMBER 4		



### VIEW OF SWING OUT PANEL

### NAMEPLATE SCHEDULE

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

NP-1	BLOWER
NP-2	RUN
NP-3	HOA

	Drawing Title  ENCLOSURE	REFERENCE DRAWING			NO. R.C.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.		DRAWN BY C. RACHAL	APPROVED BY DATE			
DATE 11/07/02	Project Title  SIMPLEX 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-1484	
								SHEET NUMBER		5

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
2	1	STAHLIN	BP1816AL	BACKPLATE
3	1	ABB	A16-30-10-84	STARTER
4	1	ABB	TA25DU4.0	O.L. (2.8-4.0A)
5	1	ABB	S1N015TL	CIRCUIT BREAKER 1
6	1	ACI	JR22P3M20B	H.O.A. SWITCH
7	1	GRASSLIN	FM/1 QUARTZH 120	TIMER
8	1	ACI	JR22FG	GREEN PILOT LIGHT
9	1	DONGAN	50-0250-058	TRANSFORMER
10	1	MARATHON	1323570	DISTRIBUTION BLOCK
11	1	MARATHON	CH1323	DIST. BLOCK COVER

	Drawing Title							
	<b>BILL OF MATERIALS</b>							
DATE 11/07/02	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		COX		P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER		
	SIMPLEX BLOWER CONTROL PANEL		Research and Technology, Inc.			DRAWING NUMBER CP-1484		
						SHEET NUMBER 6		