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# COX

Research and Technology, Inc.

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## DUPLEX BLOWER CONTROL PANEL SARDIS LAKE

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

CP-1624

VOLTAGE	480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	5	
FLA	7.6	
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:

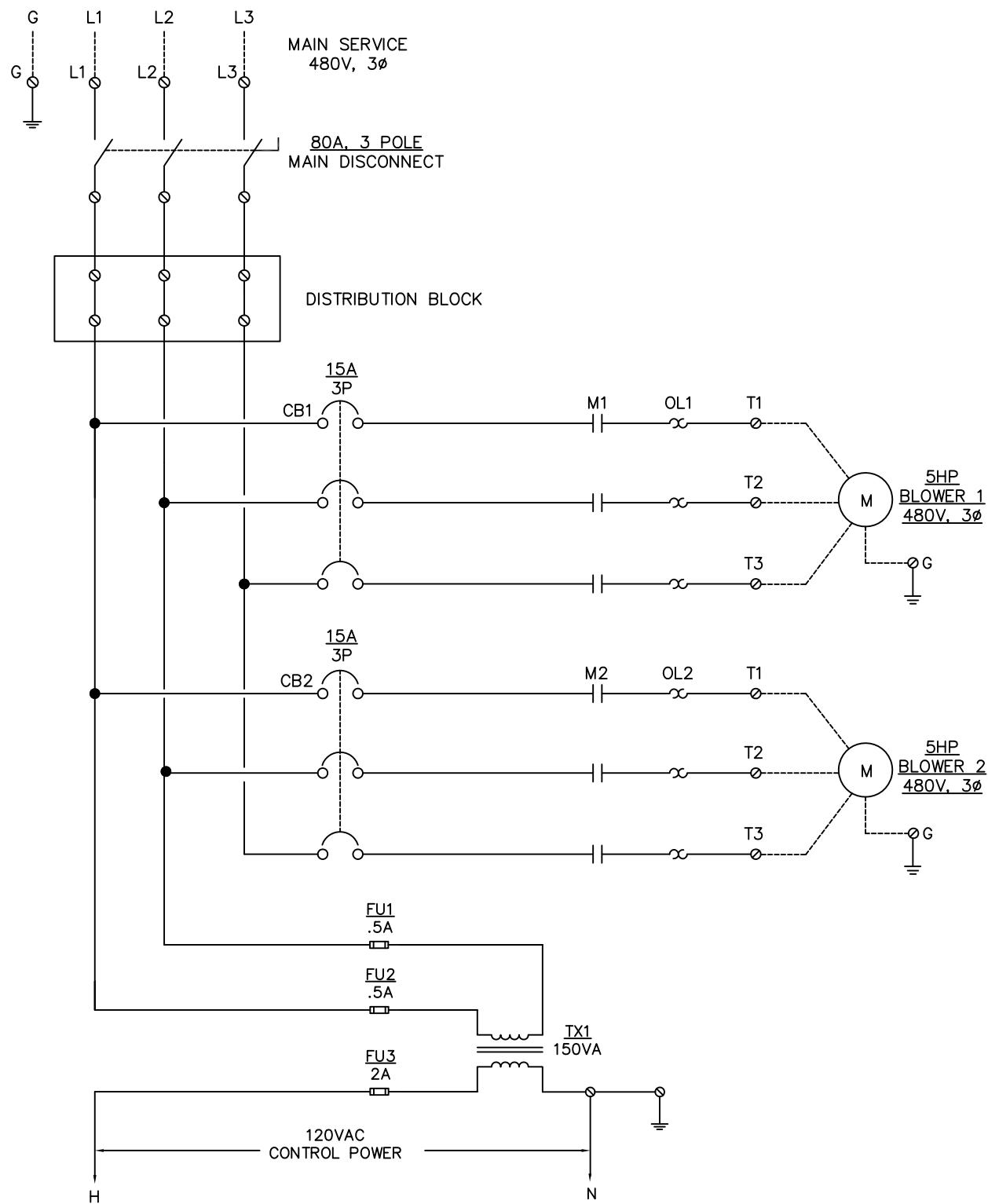
SEAL FAIL LIGHTS	(Submersible Only)
SEAL FAIL RELAYS	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	(Submersible Only)
HT PUMP SHUTDOWN	(Self-Primer, Submersible)
ALARM HORN	
ALARM LIGHT	
LIGHT PANEL MTD	
LIGHT REMOTE MTD	
LIGHT FLASHER	
LIGHTNING ARRESTER	
ELAPSED TIME METER	
PHASE MONITOR	
NEMA RATED STARTERS	
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  
TAG : SARDIS LAKE

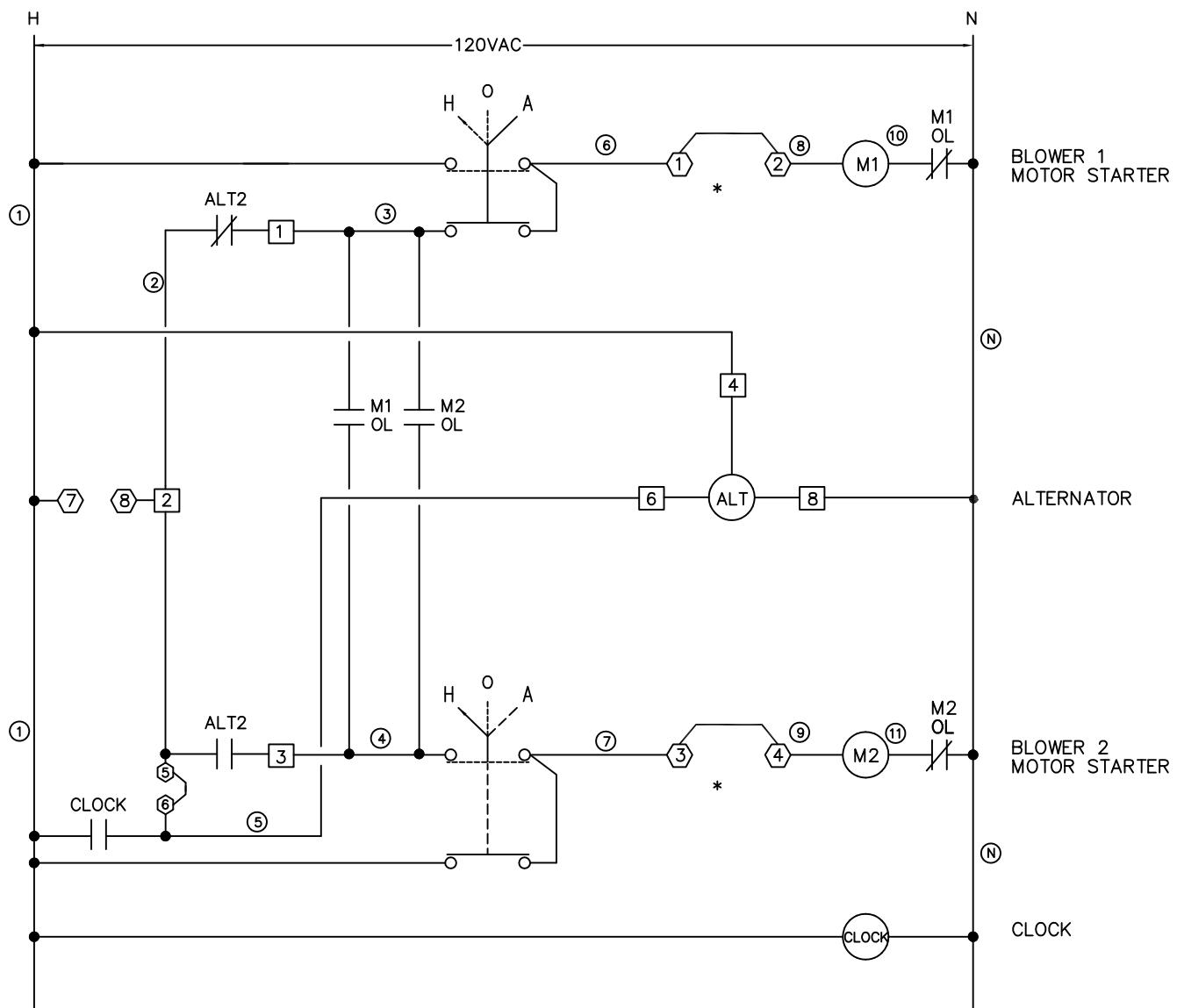
SHIP TO: Delta Process - Denham Springs, LA

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	Drawing Title  <b>PANEL DESCRIPTION</b>  DATE 8/06/03						
		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  <b>DUPLEX BLOWER CONTROL PANEL</b>	<hr/> <hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1624	
					Ph. (225)756-3271 Fax (225)756-1030	SHEET NUMBER 1	



	Drawing Title  <b>POWER DIAGRAM</b>				
DATE 8/06/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN	DATE APPROVED BY
			BY C. RACHAL	BY	DATE 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-1624  SHEET NUMBER 2	

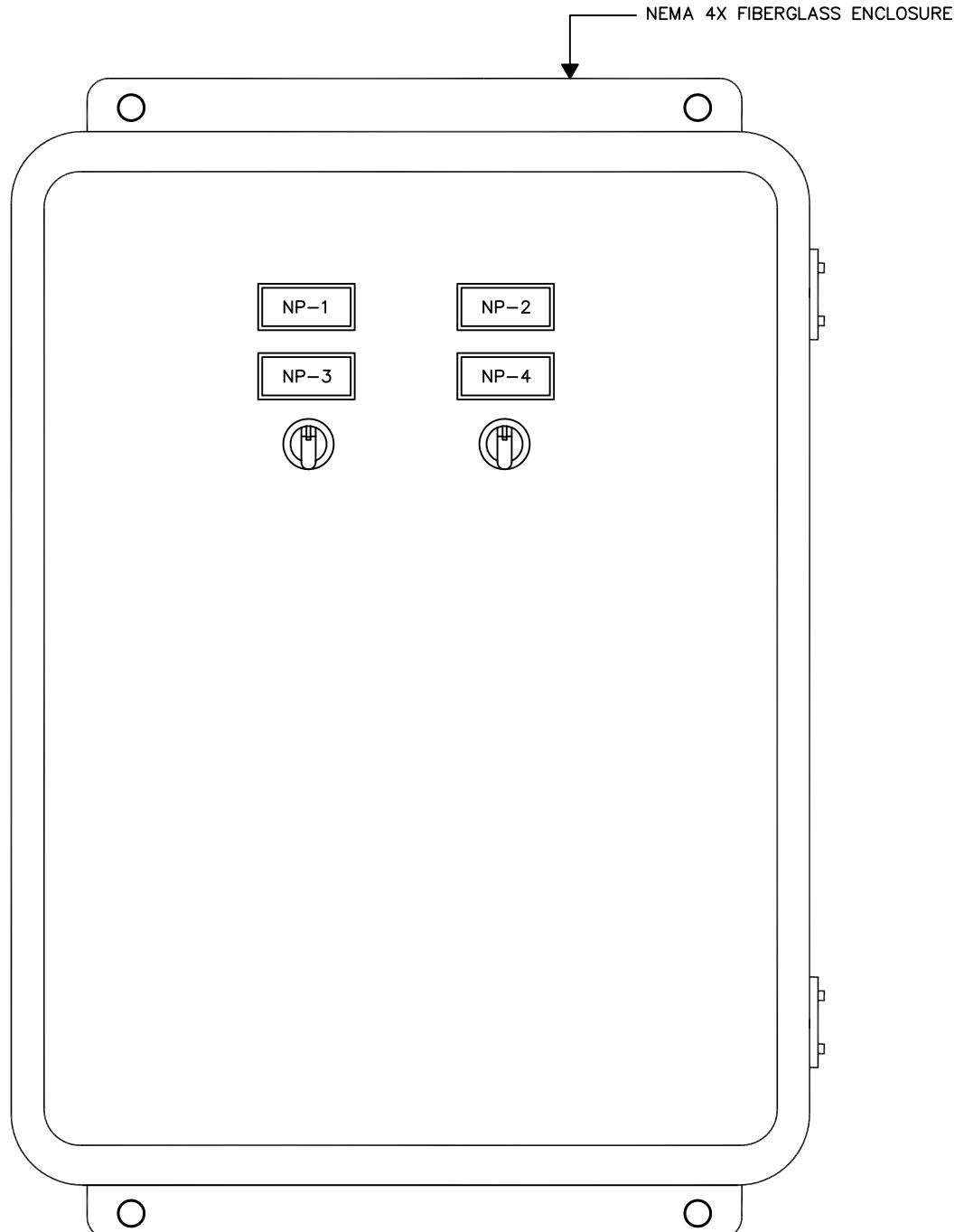


PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

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 8/06/03	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY DATE		
	Project Title		<hr/> <hr/> <b>COX</b> <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-1624	
					SHEET NUMBER 3			



VIEW OF FRONT COVER

## NAMEPLATE SCHEDULE

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

NOTE:  
SEWER GASSES WILL  
PROPER SEALS MUST  
PANEL TO PREVENT

	Drawing Title  ENCLOSURE						
DATE 8/06/03			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN
	Project Title  DUPLEX BLOWER CONTROL PANEL	<hr/> <hr/> <b>COX</b> 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-1624	
						SHEET NUMBER 4	

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPL	ENCLOSURE
2	1	STAHLIN	BP1816AL	BACKPLATE
3	2	ABB	A16-30-10-84	STARTER
4	2	ABB	TA25DU5.0	O.L. (6.0-8.5A)
5	2	ABB	S1N015TL	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	9070TF150D1	TRANSFORMER
10	1	ABB	OT63E3	DISCONNECT SWITCH
11				

	Drawing Title						
	<b>BILL OF MATERIALS</b>						
DATE 8/06/03	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			PURCHASE ORDER NUMBER	
	DUPLEX BLOWER CONTROL PANEL		Research and Technology, Inc.			DRAWING NUMBER CP-1624	
						SHEET NUMBER 5	