

---

---

# COX

Research and Technology, Inc.

---

---

DUPLEX BLOWER  
CONTROL PANEL  
AFFORDABLE WASTEWATER

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

CP-1623

VOLTAGE	<u>120/240V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>1/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>5</u>	
FLA	<u>28</u>	
TYPE OF PUMP	<u>Blower</u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Fiberglass</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u></u>	(Floats, Bubbler, Other)
CAPACITORS	<u></u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u></u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	


OPTIONS:

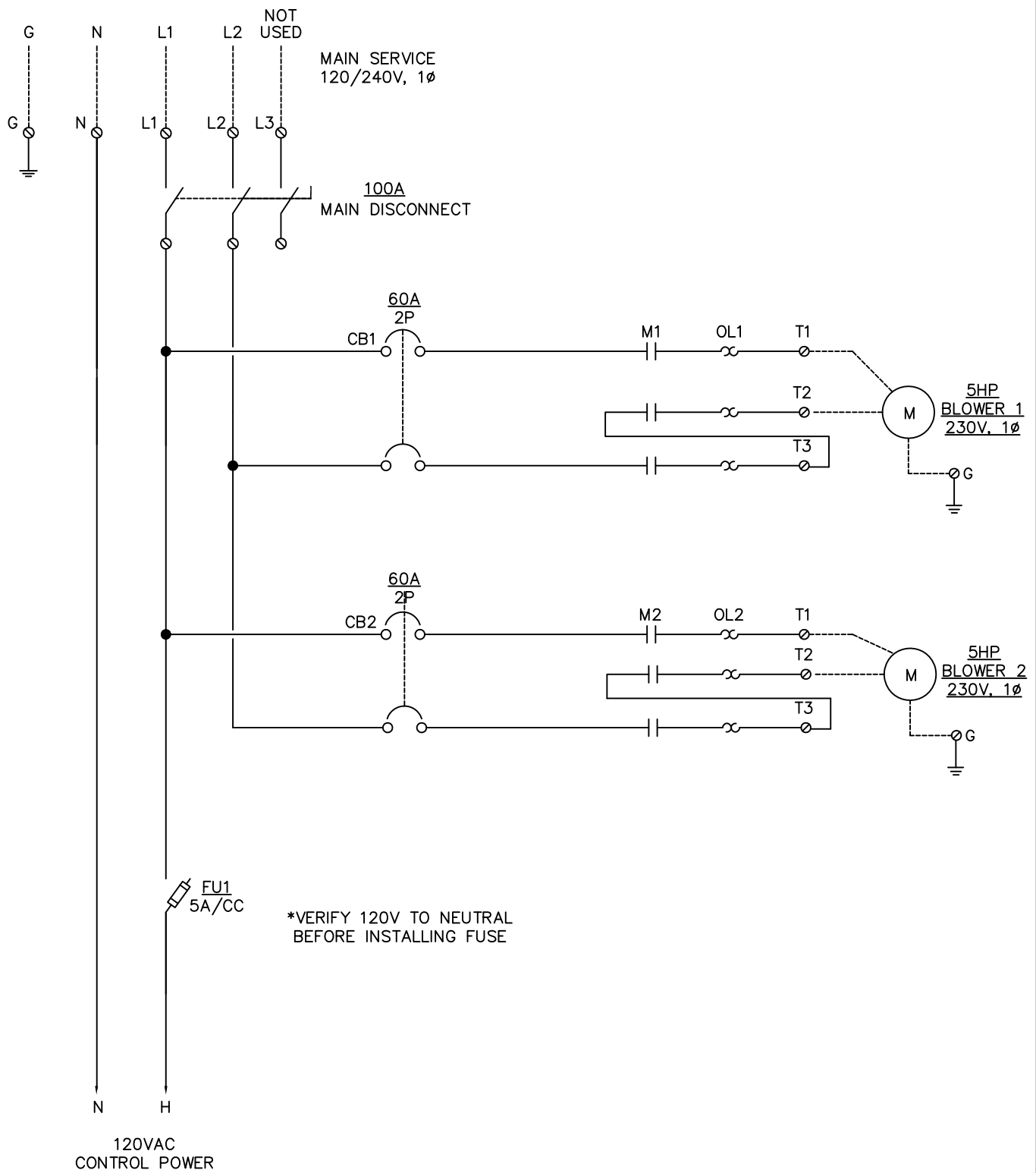
SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u></u>	(Self-Primer, Submersible)
ALARM HORN	<u></u>	
ALARM LIGHT	<u></u>	
LIGHT PANEL MTD	<u></u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u>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

SOLD TO: Delta Environmental

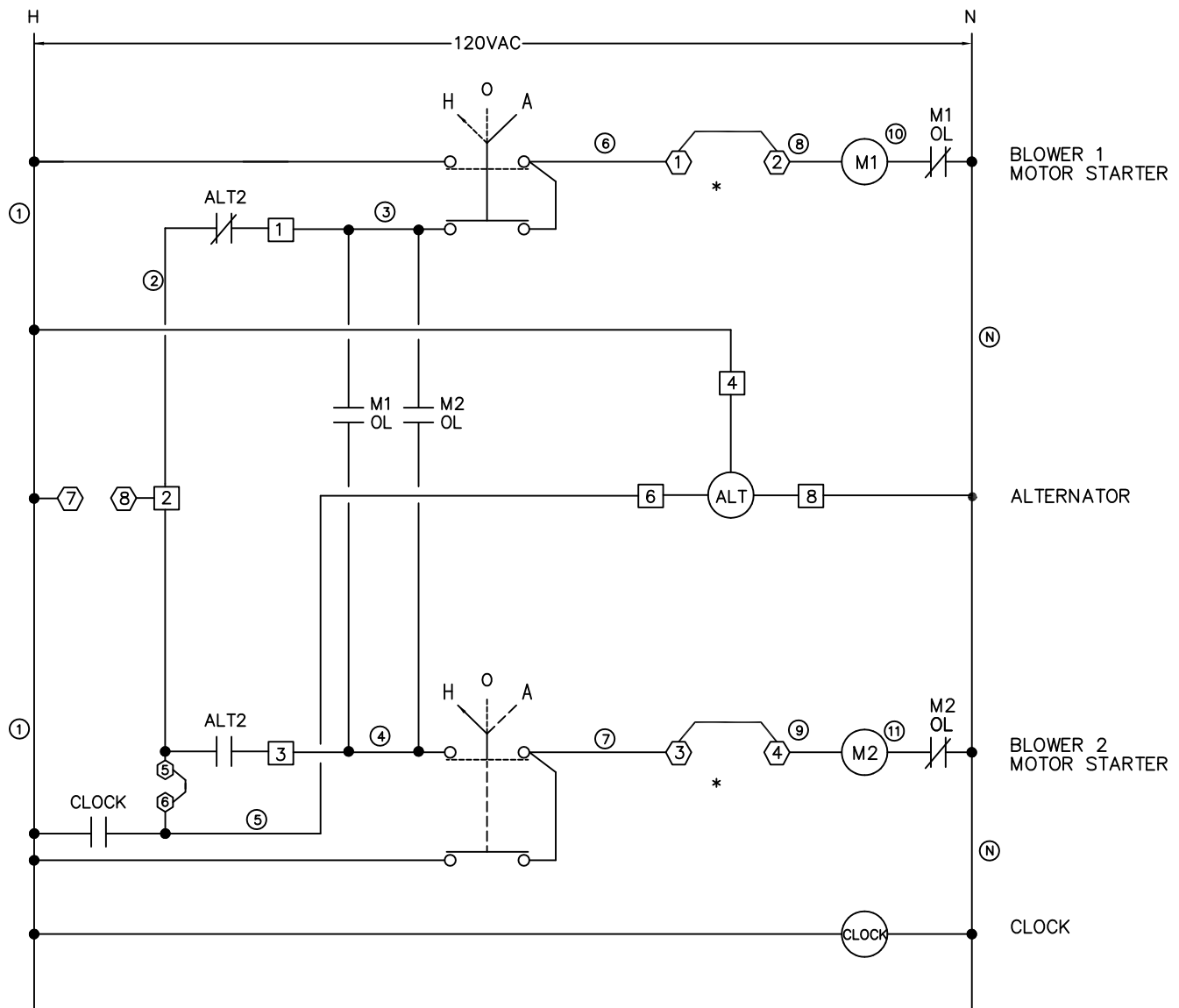
TAG : AFFORDABLE WASTEWATER

SHIP TO: Delta Environmental - Denham Springs, LA

	Drawing Title							
	PANEL DESCRIPTION							
DATE 8/06/03			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title		<div style="text-align: center;">   <b>COX</b>  Research and Technology, Inc. </div>			PURCHASE ORDER NUMBER		
	DUPLUX BLOWER CONTROL PANEL					DRAWING NUMBER CP-1623		
						SHEET NUMBER 1		



	Drawing Title							
	POWER DIAGRAM							
DATE 8/06/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	PURCHASE ORDER NUMBER			APPROVED			
	DUPLEX BLOWER CONTROL PANEL	DRAWING NUMBER CP-1623			SHEET NUMBER			
		SHEET NUMBER			2			

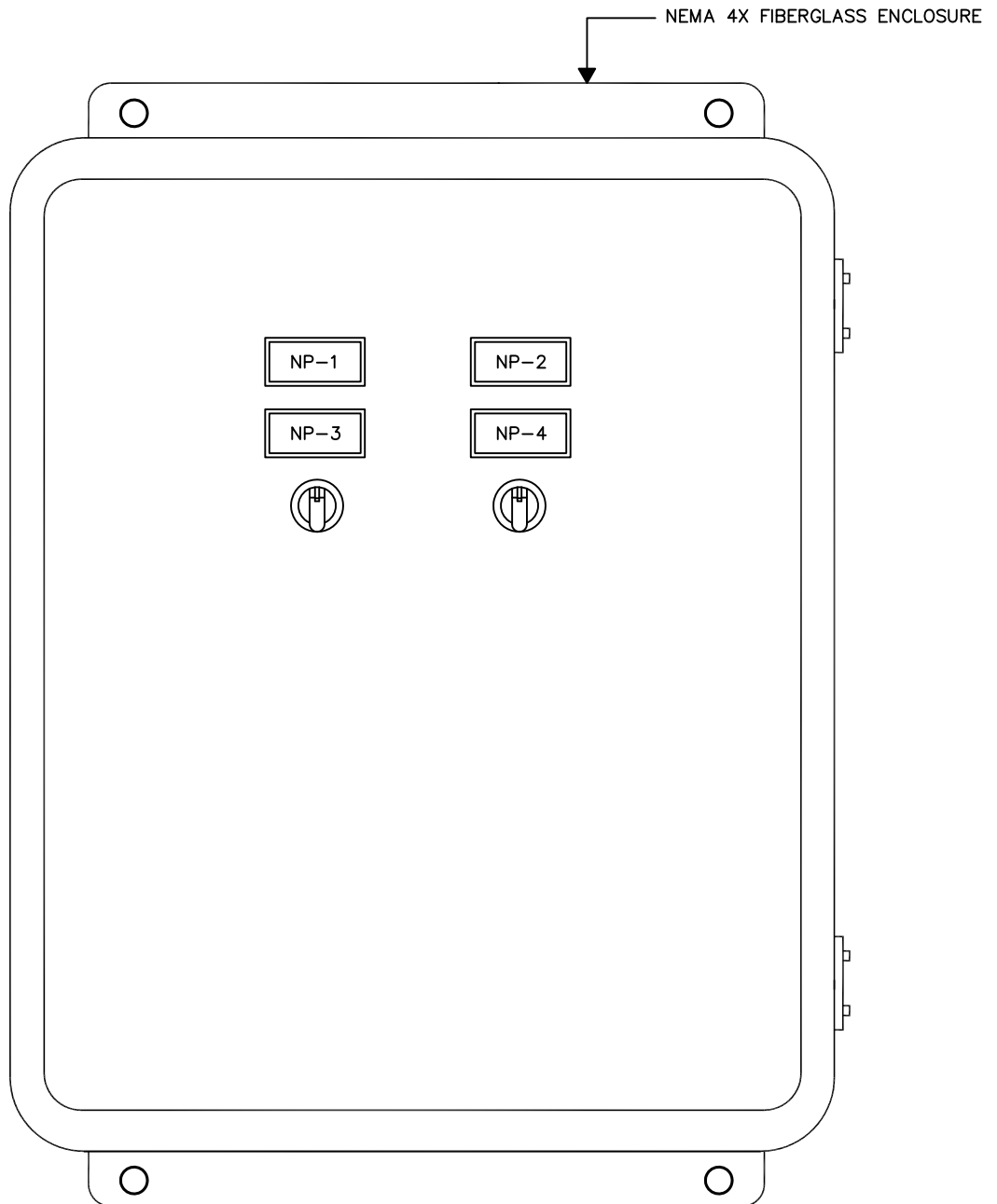


PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

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 S/N		NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.		DRAWN BY C. RACHAL	ECN BY
	Project Title		<div>COX</div> <div>Research and Technology, Inc.</div>			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-1623	
SHEET NUMBER									
3									



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

NP-1	BLOWER 1
NP-2	BLOWER 2
NP-3	HOA
NP-4	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							
DATE	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
8/06/03	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
				BY C. RACHAL		BY	DATE	
	Project Title		P.O. Box 77808 Baton Rouge, LA 70809			PURCHASE ORDER NUMBER		
	DUPL		COX			DRAWING NUMBER		
	EX		Research and Technology, Inc.			CP-1623		
	CONTROL PANEL		Ph. (225)756-3271 Fax (225)756-1030			SHEET NUMBER		
						4		

# BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1614HWPL	ENCLOSURE
2	1	VYNCKIER	BP1614AL	BACKPLATE
3	2	ABB	A30-30-10-84	STARTER
4	2	ABB	TA25DU32	O.L. (24-32A)
5	2	SQUARE D	QOU260	CIRCUIT BREAKER 1,2
6	1	ABB	OT100E3	DISC. SWITCH
7	2	ACI	JR22P3M20B	H.O.A. SWITCH
8	1	TIMEMARK	261DT120	ALTERNATING RELAY
9	1	BUSSMAN	LP-CC-5	FUSE 5.0A
10	1	GRASSLIN	FM/1 STUZH-L	TIMER
11	1	MARATHON	6SC30A-1I	FUSE HOLDER
12				

	Drawing Title							
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>							
DATE 8/06/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <h3 style="margin: 0;">COX</h3> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>		<p style="margin: 0; font-size: small;">P.O. Box 77808 Baton Rouge, LA 70809</p> <p style="margin: 0; font-size: small;">Ph. (225)756-3271 Fax (225)756-1030</p>		<p style="margin: 0; font-size: small;">APPROVED</p>		
	Project Title	<div style="border: 1px solid black; padding: 10px; margin: 0 auto; width: 150px;"> <h2 style="margin: 0;">COX</h2> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>			<p style="margin: 0; font-size: small;">PURCHASE ORDER NUMBER</p>			
	<h2 style="margin: 0;">DUPLEX BLOWER CONTROL PANEL</h2>				<p style="margin: 0; font-size: small;">DRAWING NUMBER CP-1623</p>			
					<p style="margin: 0; font-size: small;">SHEET NUMBER</p>		5	