
COX

Research and Technology, Inc.

DUPLEX BLOWER
CONTROL PANEL
BOLLINGER

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

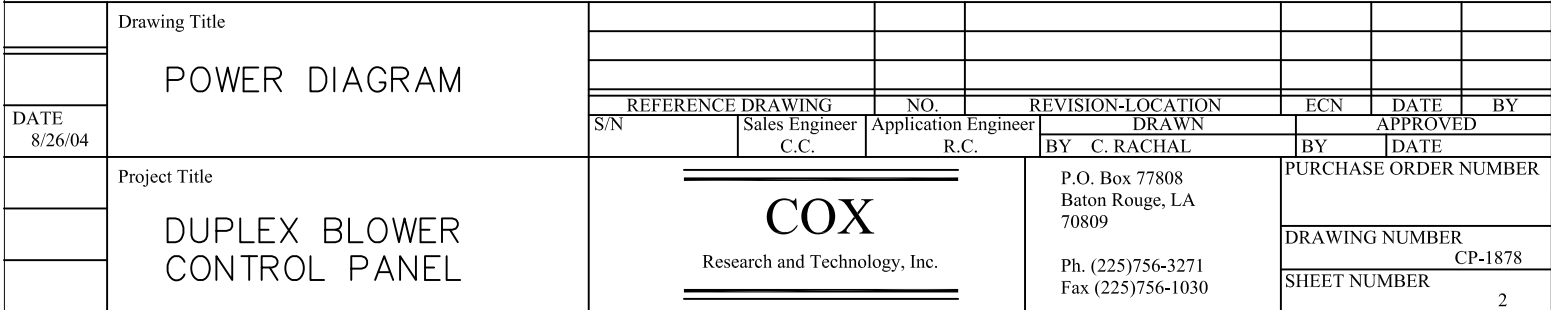
CP-1878

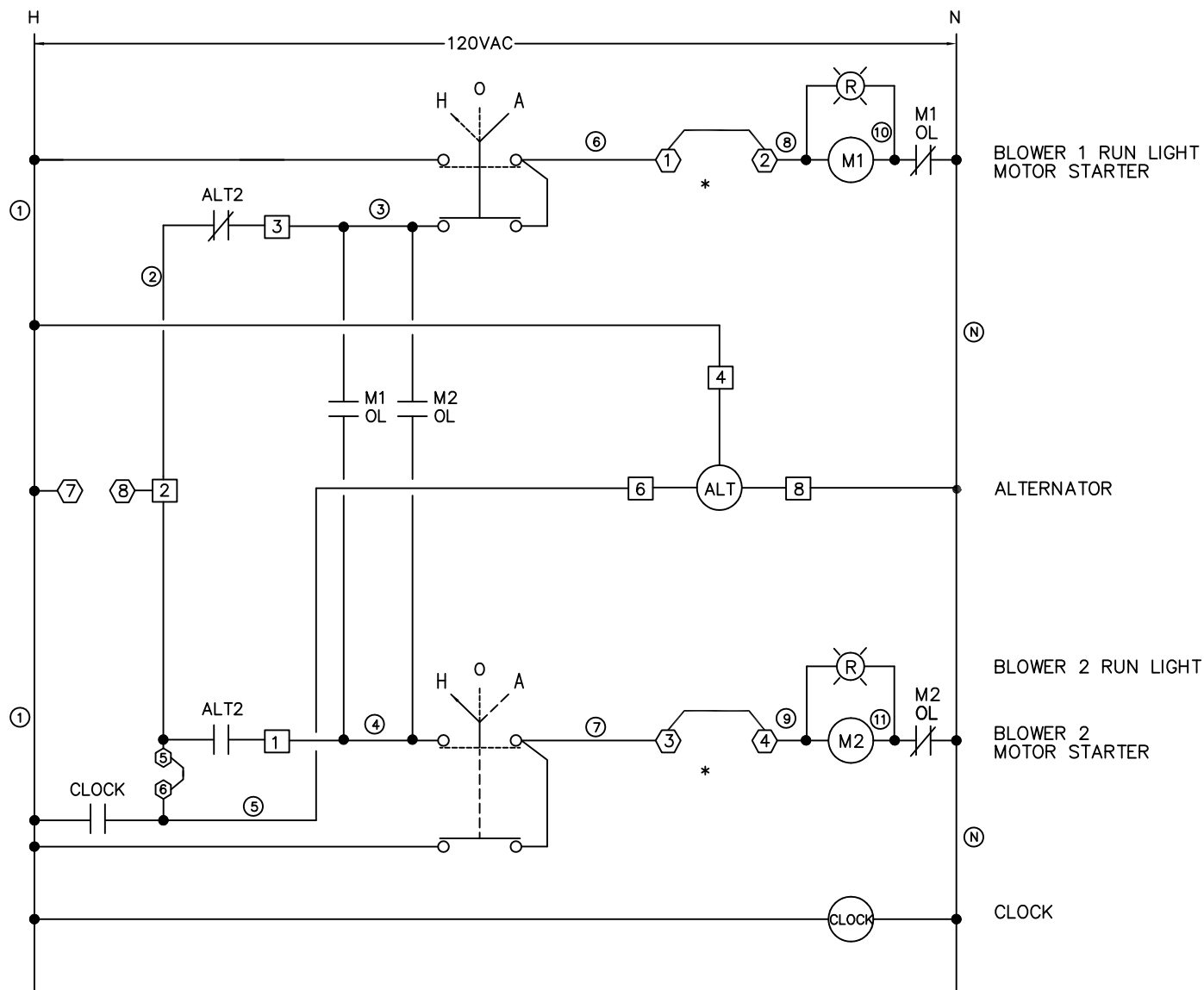
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR		(Floats, Bubbler, Other)
CAPACITORS		(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

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	_____	

SHIP TO: Delta Process - Denham Springs, LA

	Drawing Title									
	PANEL DESCRIPTION									
DATE 8/26/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN BY	DATE	BY		
	Project Title					P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
	DUPLEX BLOWER CONTROL PANEL	COX Research and Technology, Inc.				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1878			
							SHEET NUMBER 1			





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

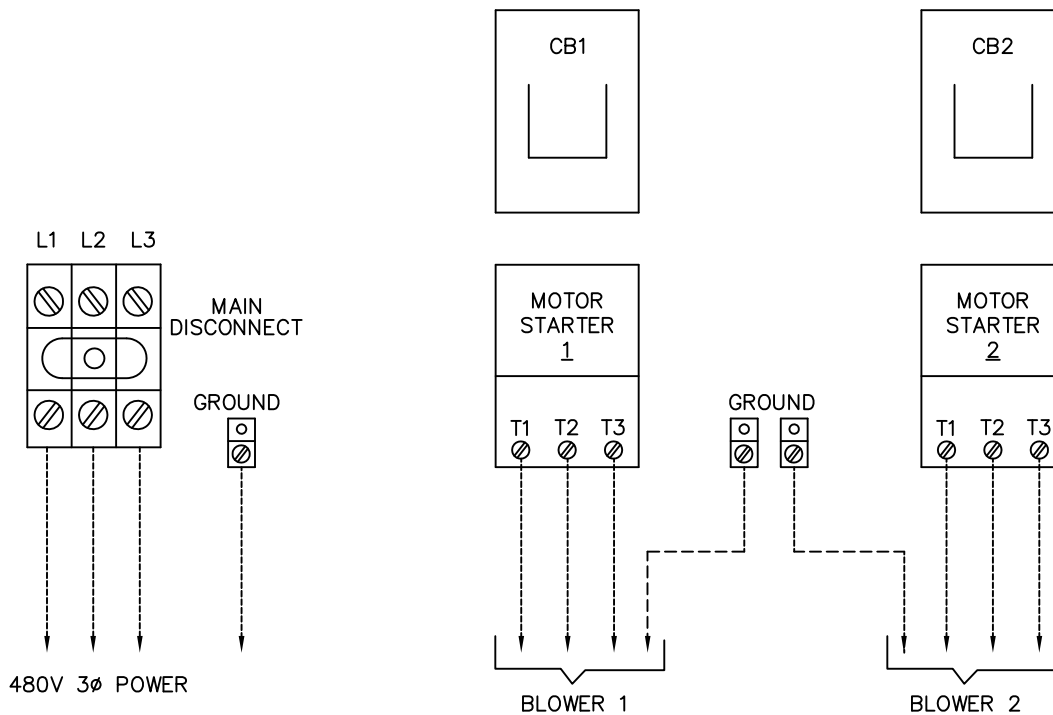
Drawing Title							
CONTROL DIAGRAM							
DATE 8/26/04	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
	S/N		Sales Engineer C.C.		Application Engineer R.C.		DATE
Project Title		DRAWN		APPROVED		BY	
DUPLEX BLOWER CONTROL PANEL		BY C. RACHAL				DATE	
		PURCHASE ORDER NUMBER					
		DRAWING NUMBER					
		CP-1878					
		SHEET NUMBER					

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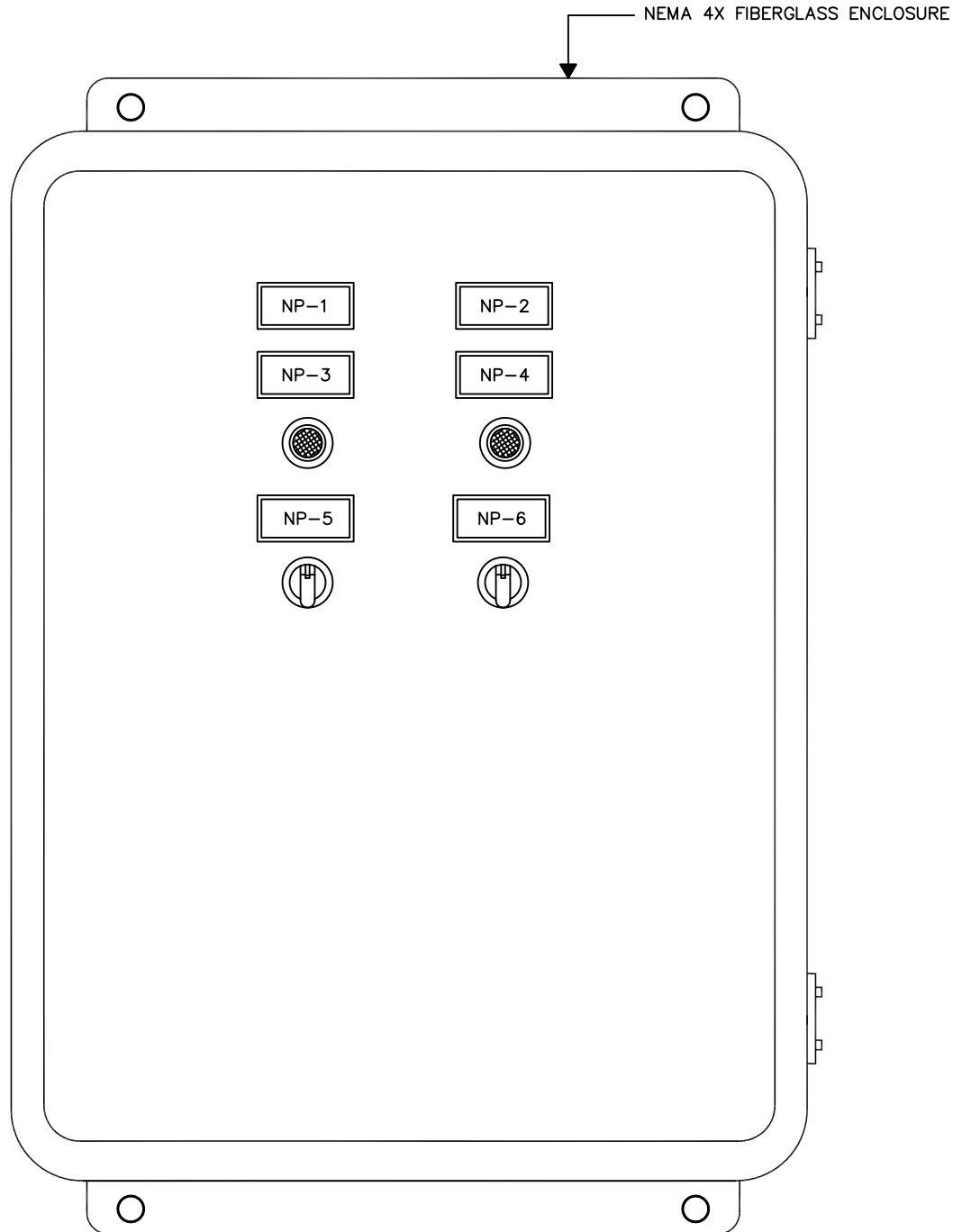
	Drawing Title						
	EXTERNAL CONNECTIONS						
DATE 8/26/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	DRAWN BY C. RACHAL			APPROVED BY		
	DUPLEX BLOWER CONTROL PANEL	PURCHASE ORDER NUMBER			DRAWING NUMBER CP-1878		
		SHEET NUMBER			4		

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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	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

DATE 8/26/04	Drawing Title							
	ENCLOSURE							
	Project Title		REFERENCE DRAWING		NO.		REVISION-LOCATION	
	DUPEX BLOWER CONTROL PANEL		S/N		Sales Engineer C.C.		Application Engineer R.C.	
							DRAWN	
							BY C. RACHAL	
							APPROVED	
							BY	
							DATE	
							PURCHASE ORDER NUMBER	
							DRAWING NUMBER	
							CP-1878	
							SHEET NUMBER	
							5	

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1816HWPL	ENCLOSURE
2	1	VYNCKIER	MP1816A	BACKPLATE
3	2	ABB	A16-30-10-84	STARTER
4	2	ABB	TA25DU5.0	O.L. (3.5-5.0A)
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	2	ACI	JR22FR	RED PILOT LIGHT
10	1	SQUARE D	9070TF150D1	TRANSFORMER
11	1	ABB	OT63E3	DISCONNECT SWITCH

	Drawing Title							
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>							
DATE 8/26/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
		APPROVED			BY	DATE		
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP-1878</div> SHEET NUMBER <div style="text-align: right;">6</div>	
	DUPLEX BLOWER CONTROL PANEL							