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# COX

Research and Technology, Inc.

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DUPLEX BLOWER  
CONTROL PANEL  
D & R UTILITIES  
CAMELIA ESTATES

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

CP-1946

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	3	
FLA	17	
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		

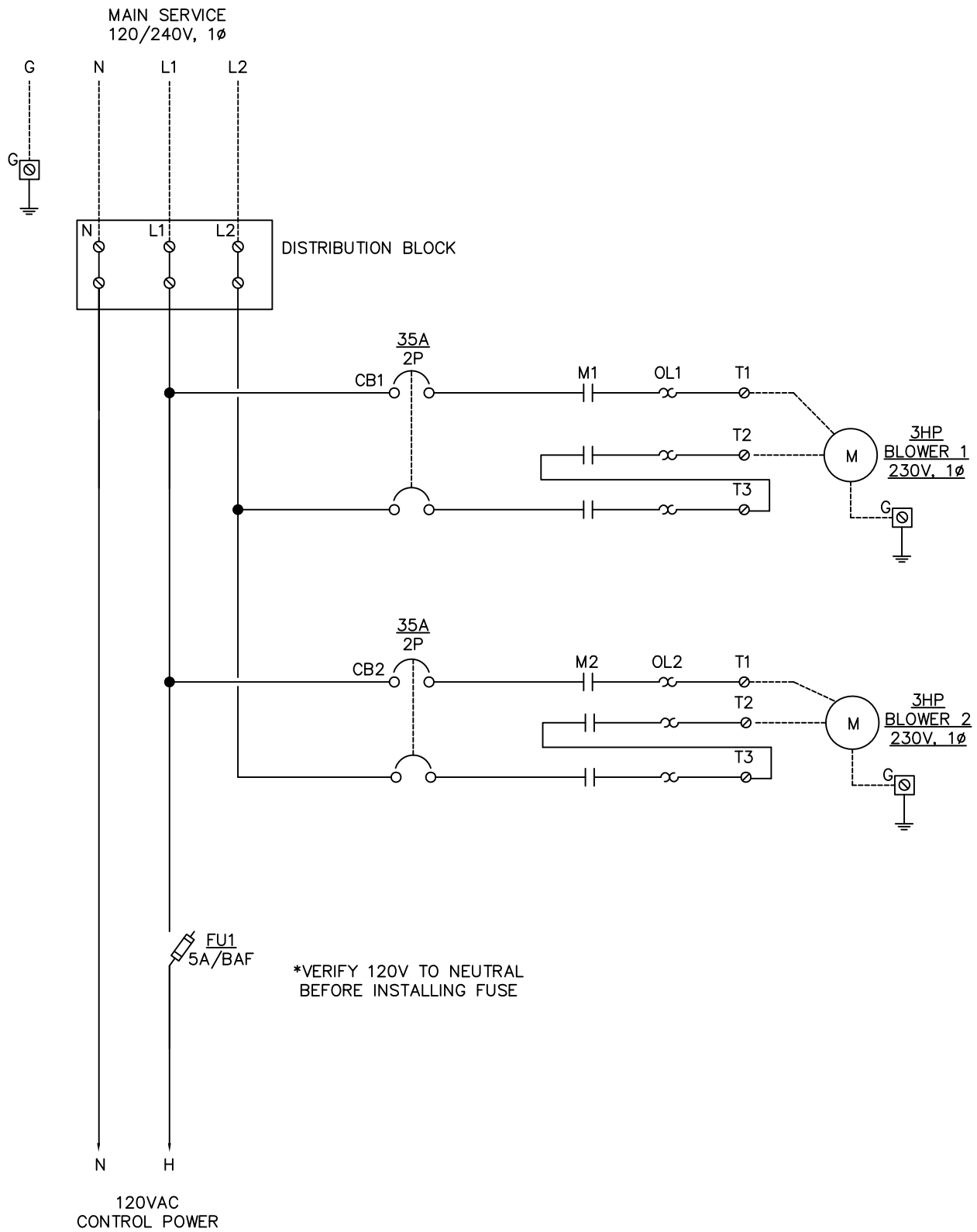
SOLD TO: Delta Environmental Equipment, Inc.

TAG : D & R Utilities

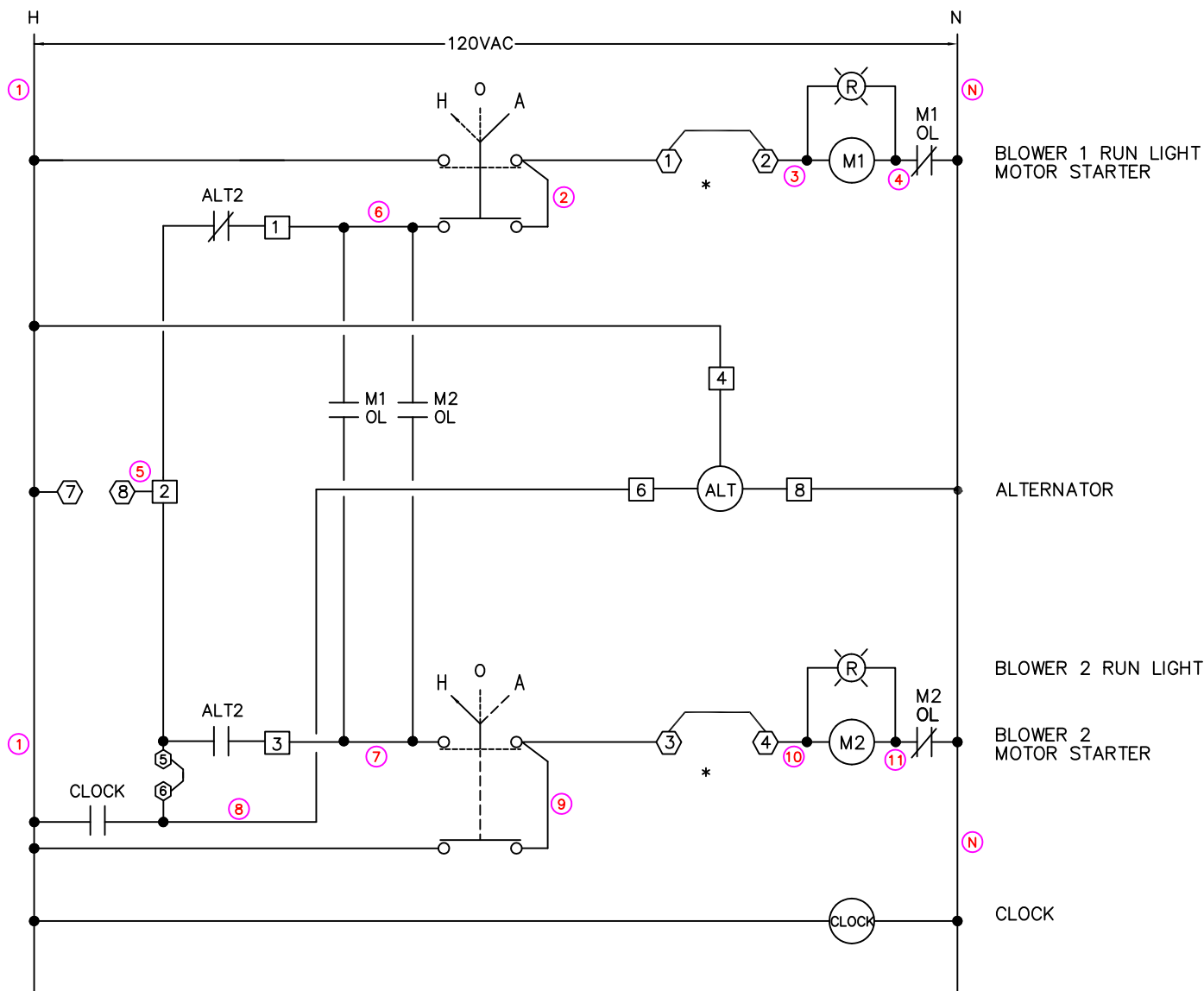
Camelia Estates

SHIP TO: Delta Environmental Equipment, Inc. - Denham Springs, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 1/07/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	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)755-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1946 SHEET NUMBER 1
	DUPLEX BLOWER CONTROL PANEL						



	Drawing Title							
	POWER DIAGRAM							
DATE 1/07/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	BY C. RACHAL	ECN	DATE	BY
	Project Title	PURCHASE ORDER NUMBER			APPROVED			
	DUPLEX BLOWER CONTROL PANEL	DRAWING NUMBER CP-1946			DATE			
		SHEET NUMBER			2			



PANEL IS DESIGNED TO RUN BLOWERS 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 BLOWERS WILL RUN CONTINUOUSLY. SET 1 PIN IN AT THE TIME YOU WISH THE BLOWERS TO ALTERNATE. ALL REMAINING PINS SHOULD BE PUSHED OUT.

\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

Drawing Title							
CONTROL DIAGRAM							
DATE 1/07/05	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					
		SHEET NUMBER					

**COX**

Research and Technology, Inc.

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Baton Rouge, LA  
70809

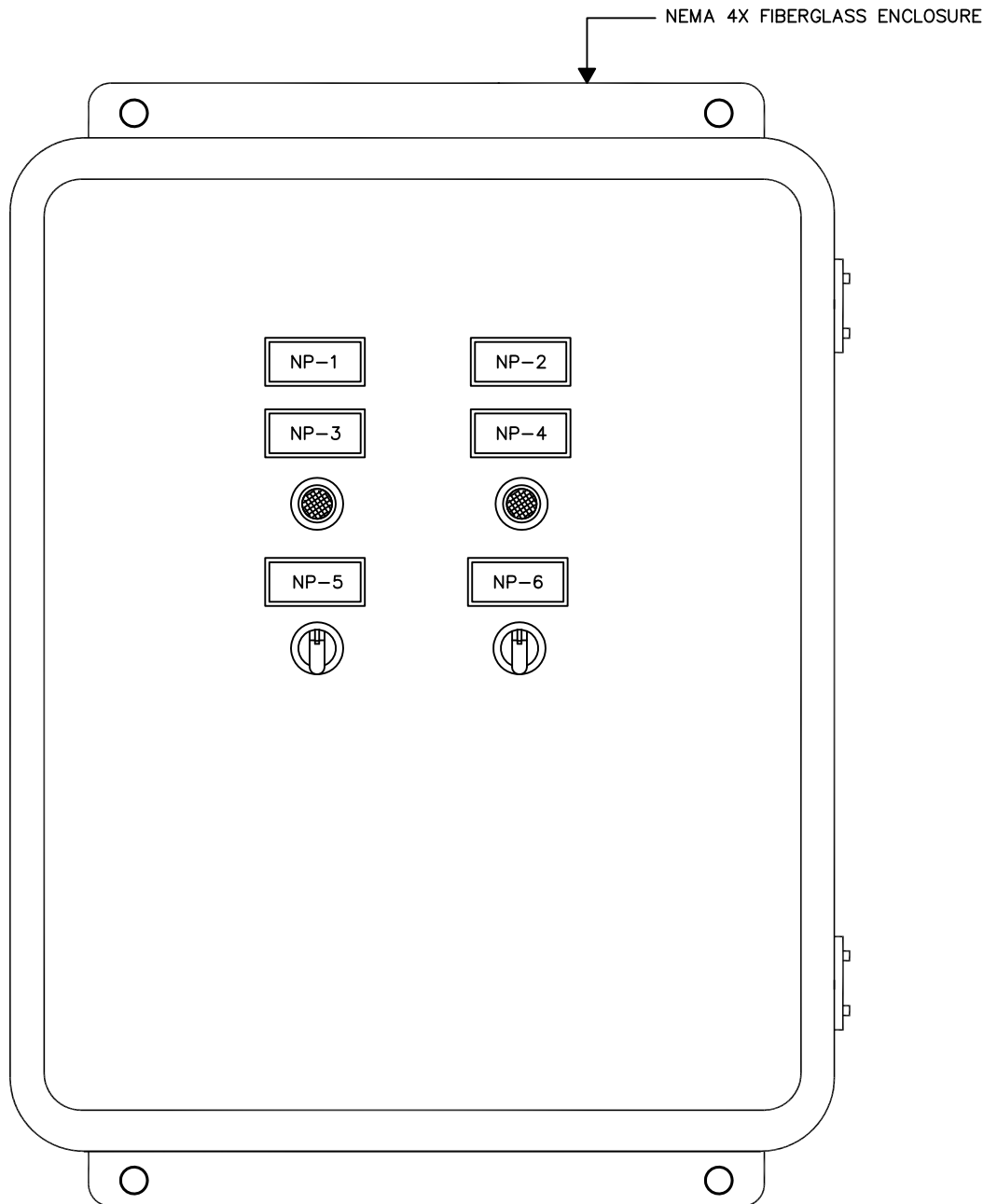
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DRAWING NUMBER  
CP-1946

SHEET NUMBER  
3



IF NO OFF TIME IS REQUIRED BETWEEN  
ALTERNATION, REMOVE JUMPER FROM  
TERMINALS ⑤ AND ⑥. PLACE JUMPER ACROSS  
TERMINALS ⑦ AND ⑧. NOW BLOWERS WILL RUN  
CONTINUOUSLY. SET 1 PIN IN AT THE TIME YOU  
WISH THE BLOWERS TO ALTERNATE.  
ALL REMAINING PINS SHOULD BE PUSHED OUT.



VIEW OF FRONT OF ENCLOSURE

NOTE:

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

NAMEPLATE SCHEDULE

NP-1	BLOWER 1
NP-2	BLOWER 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

DATE 1/07/05	Drawing Title							
	ENCLOSURE							
	Project Title		REFERENCE DRAWING		NO.		REVISION-LOCATION	
	DUPLEX 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-1946	
							SHEET NUMBER 5	

**COX**

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## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1614HWPL	ENCLOSURE
2	1	VYNCKIER	MP1614AL	BACKPLATE
3	2	ABB	A26-30-10-84	STARTER
4	2	ABB	TA25DU19	O.L. (13-19A)
5	2	SQUARE D	QOU235	CIRCUIT BREAKER 1,2
6	1	MARATHON	1323580	DISTRIBUTION BLOCK
7	2	ACI	JR22P3M20B	H.O.A. SWITCH
8	2	ACI	JR22FR	RED PILOT LIGHTS
9	1	TIMEMARK	261DT120	ALTERNATING RELAY
10	1	GRASSLIN	FM1/STUZZ	TIMER
11				
12				

[illegible]