
COX

Research and Technology, Inc.

BLOWER/PUMP
CONTROL PANEL
CHACKBAY ELEMENTARY

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

CP-2149

VOLTAGE	<u>120/240V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>2, 1</u>	
HP	<u>3, 1/2</u>	
FLA	<u>9.6, 3.3</u>	
TYPE OF PUMP	<u>Blower, Pump</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>Gould</u>	
CATALOG NUMBER	<u>WE0532H (PUMP)</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		(Floats, Bubbler, Other)
CAPACITORS		(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

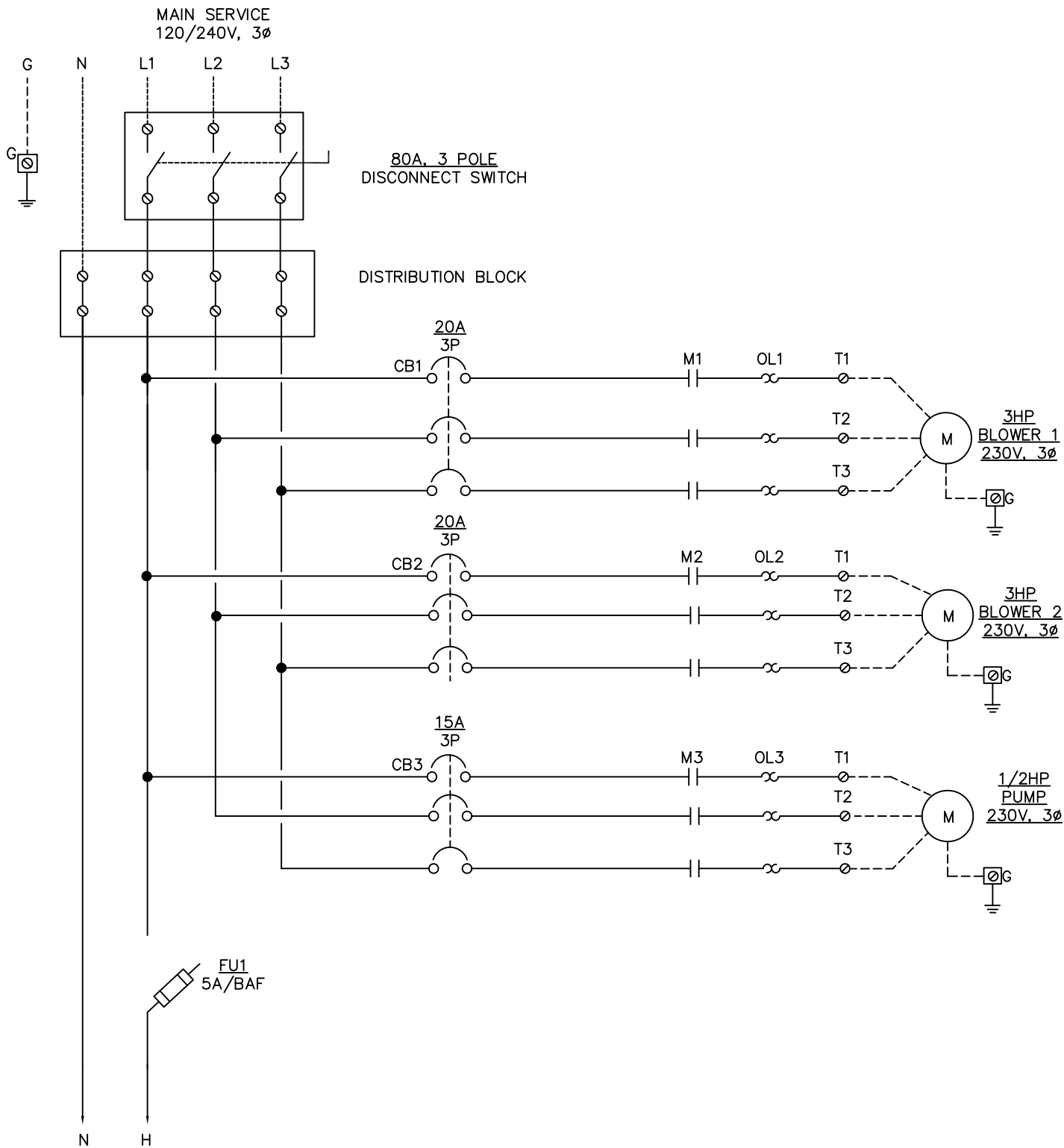
OPTIONS:

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		

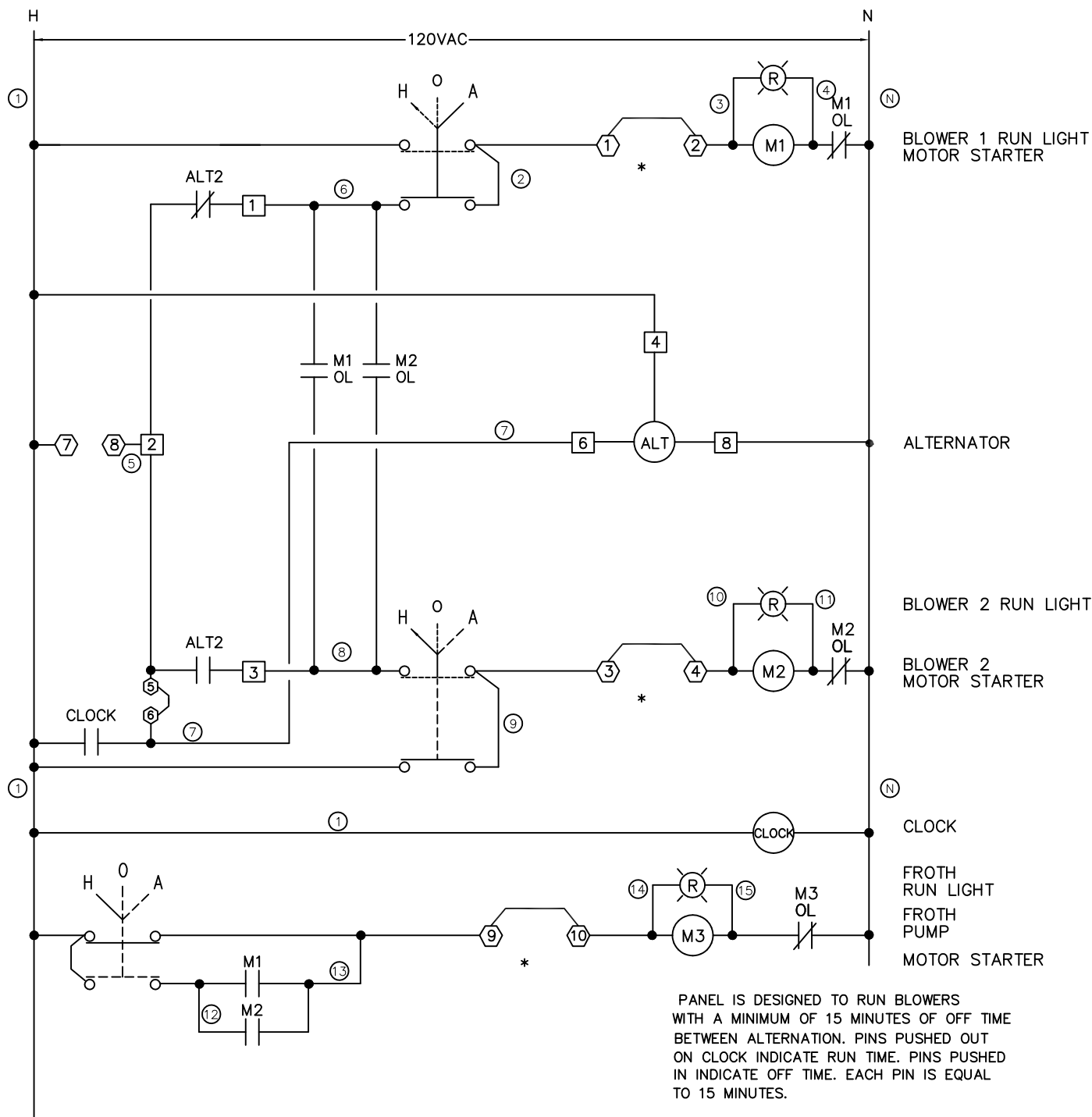
SOLD TO: Delta Process Equipment, Inc. - New Orleans, LA
TAG : Chackbay Elementary

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

	Drawing Title						
	PANEL DESCRIPTION						
DATE 9/13/05		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-2149 SHEET NUMBER 1
	DUPLEX BLOWER CONTROL PANEL						



	Drawing Title								
	POWER DIAGRAM								
DATE 9/13/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY	APPROVED
	Project Title	PURCHASE ORDER NUMBER							
	DUPLEX BLOWER CONTROL PANEL	DRAWING NUMBER CP-2149							
		SHEET NUMBER			2				



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

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.

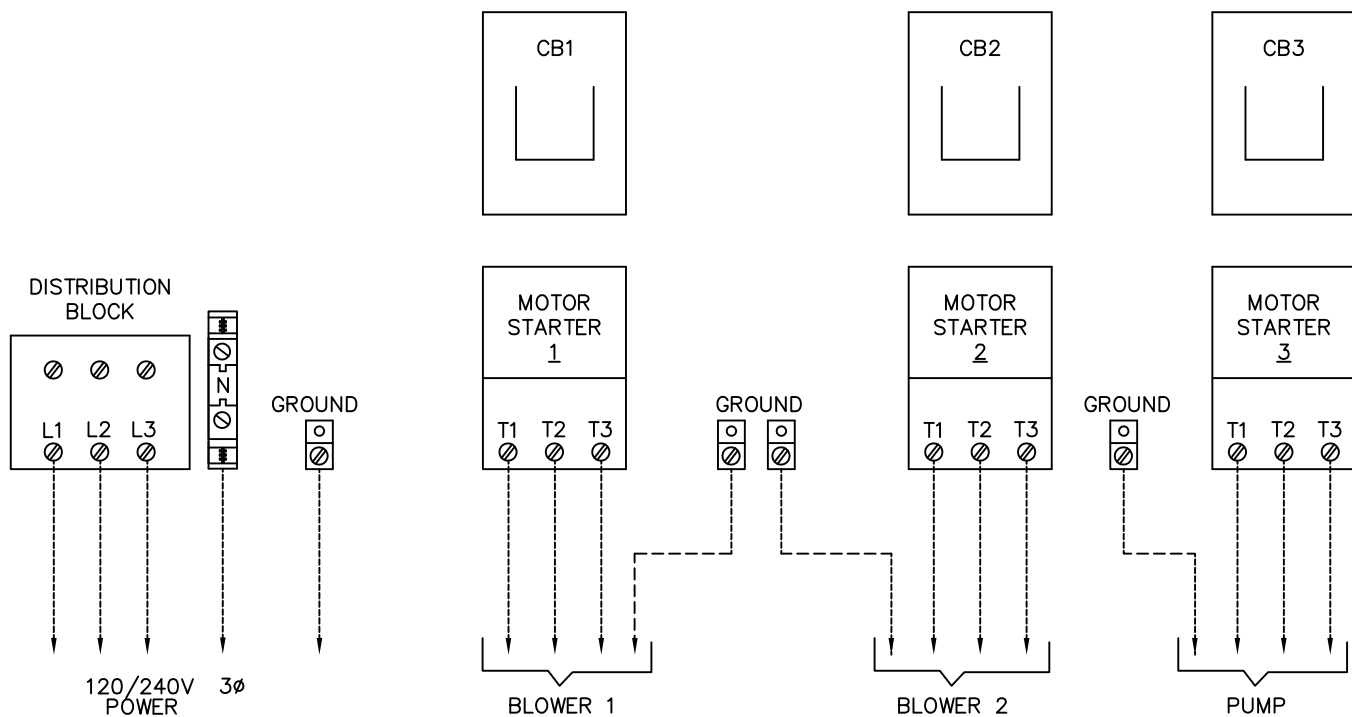
Drawing Title							
CONTROL DIAGRAM							
DATE 9/13/05	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
	S/N		Sales Engineer C.C.		Application Engineer R.C.		DATE
Project Title		DRAWN		APPROVED		BY	
DUPLX BLOWER CONTROL PANEL		BY C. RACHAL		BY		DATE	
		PURCHASE ORDER NUMBER					
		DRAWING NUMBER		CP-2149			
		SHEET NUMBER					

COX

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P.O. Box 77808
Baton Rouge, LA
70809

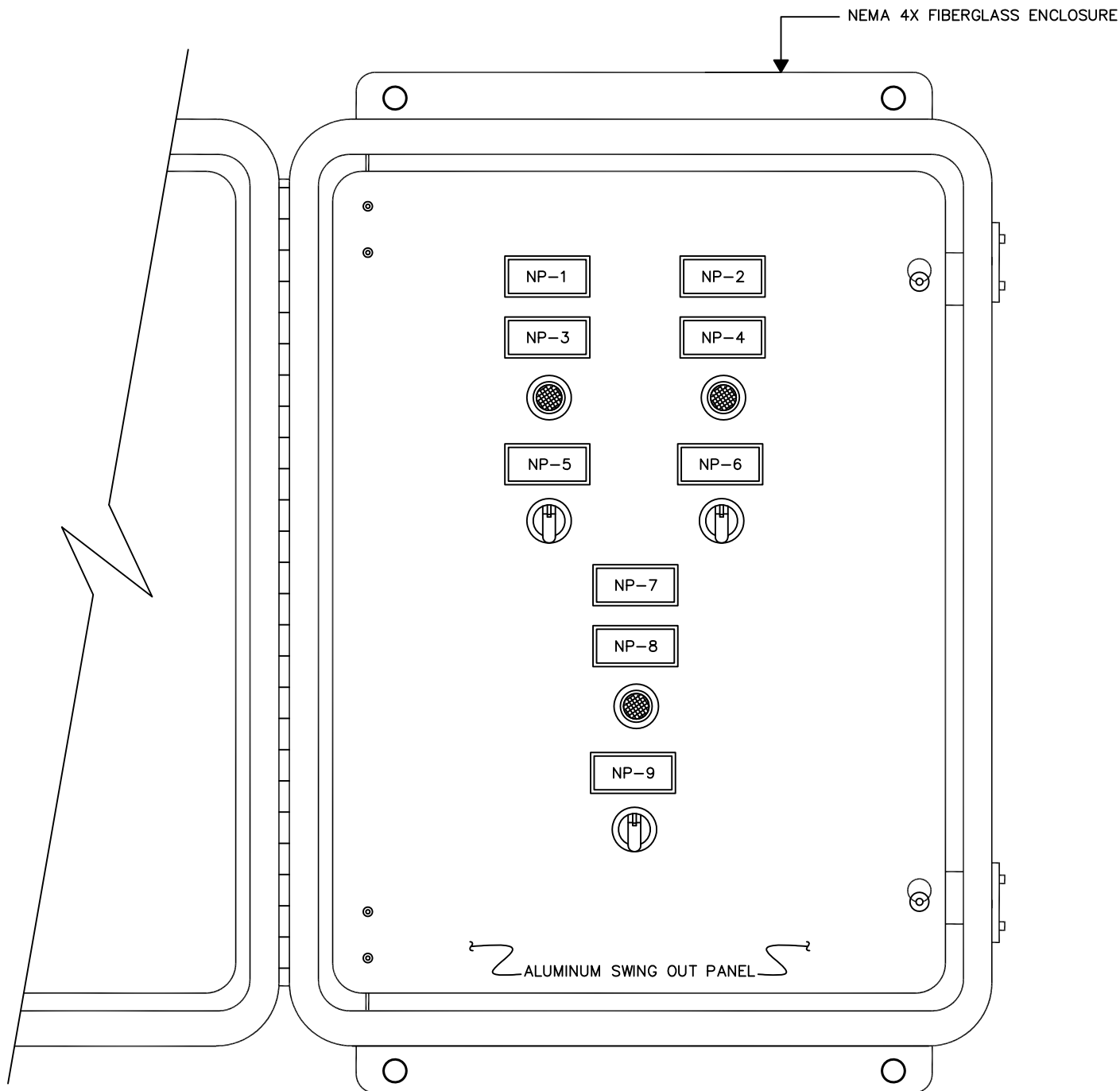
Ph. (225)756-3271
Fax (225)755-1030



REMOVE JUMPERS & INSTALL
LOCKOUT DEVICES IF REQUIRED

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.

Drawing Title									
EXTERNAL CONNECTIONS									
DATE	9/13/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY		
Project Title					PURCHASE ORDER NUMBER				
DUPLEX BLOWER CONTROL PANEL		<div style="text-align: center;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2149 SHEET NUMBER 4		



VIEW OF SWING PANEL

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
NP-7	FROTH PUMP
NP-8	RUN
NP-9	HOA

DATE 9/13/05	Drawing Title							
	ENCLOSURE							
Project Title		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
		S/N		Sales Engineer		Application Engineer		DATE
				C.C.		R.C.		BY
						DRAWN		APPROVED
						BY C. RACHAL		DATE
								PURCHASE ORDER NUMBER
								DRAWING NUMBER
								CP-2149
								SHEET NUMBER
								5

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HWPLDF	ENCLOSURE
2	1	STAHLIN	BP1816AL	BACKPLATE
3	3	ABB	A16-30-10-84	STARTER 1,2,3
4	2	ABB	TA25DU11	O.L.1,2 (7.5-11A)
5	2	SQUARE D	QOU320	CIRCUIT BREAKER 1,2
6	1	MARATHON	1323580	DISTRIBUTION BLOCK
7	3	ACI	JR22P3M20B	H.O.A. SWITCH
8	3	ACI	JR22FR	RED PILOT LIGHTS
9	1	TIMEMARK	261DT120	ALTERNATING RELAY
10	1	ABB	TA25DU4.0	O.L. 3 (2.8-4.0A)
11	1	GRASSLIN	FM/1STUZZL	TIMER
12	1	SQUARE D	QOU315	CB3
9	1	MARATHON	1321580	NEUTRAL BLOCK
10	1	ABB	OT63E3	DISCONNECT SWITCH
11				
12				

	Drawing Title							
	BILL OF MATERIALS							
DATE 9/13/05		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;"> COX <small>Research and Technology, Inc.</small> </div>		<small>P.O. Box 77808 Baton Rouge, LA 70809</small> <small>Ph. (225)756-3271 Fax (225)755-1030</small>		<small>PURCHASE ORDER NUMBER</small> <small>DRAWING NUMBER</small> CP-2149 <small>SHEET NUMBER</small> 6		
	Project Title							
	DUPLEX BLOWER CONTROL PANEL							