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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL

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

CP-2333

VOLTAGE	120/208V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	2	
FLA	17	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	SGVF 2002L	
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	(FLOATS, Bubbler, Other)
CAPACITORS	Yes	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

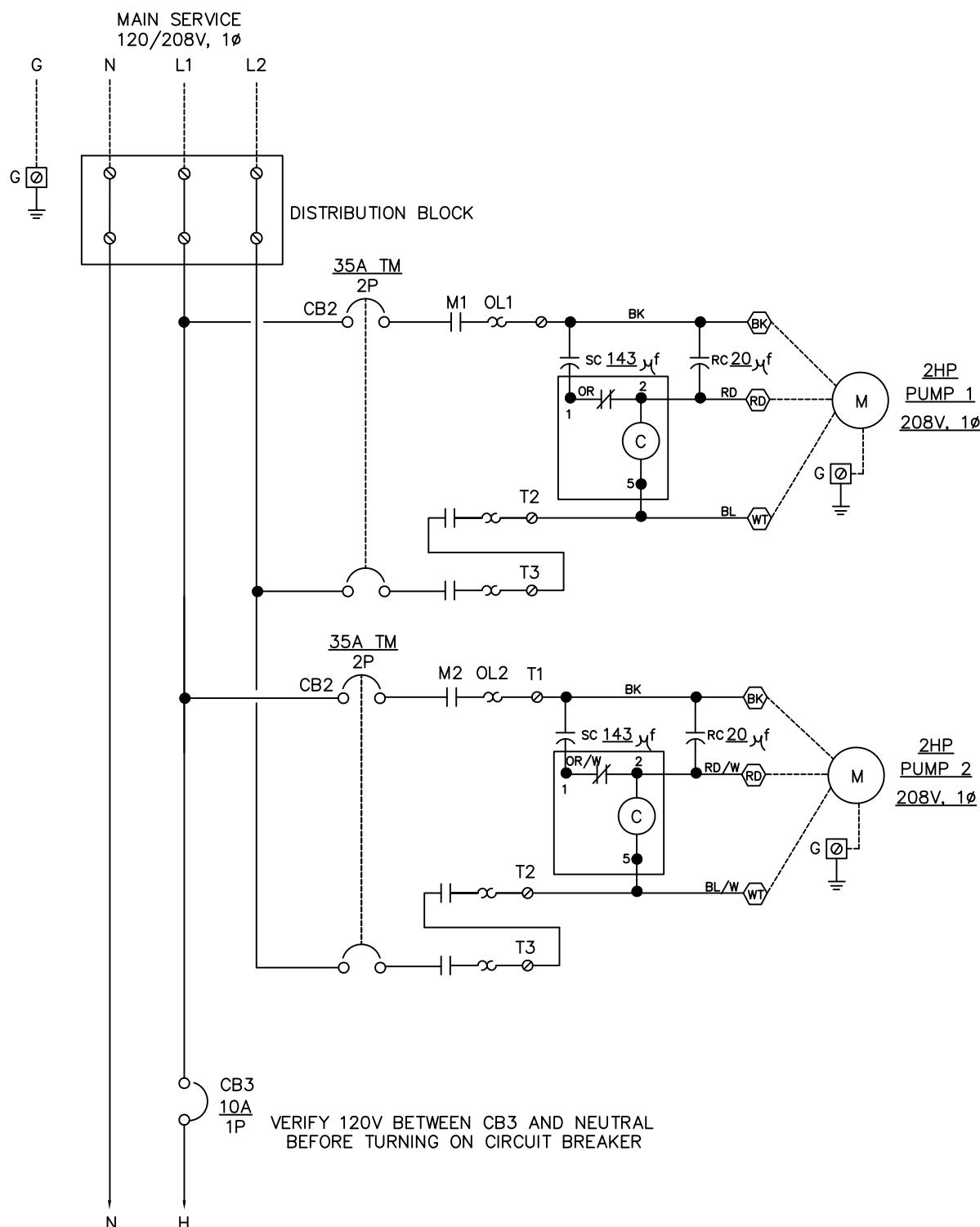
OPTIONS:

SEAL FAIL LIGHTS	_____	(Submersible Only)
SEAL FAIL RELAYS	_____	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	_____	(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	_____	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
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	X	

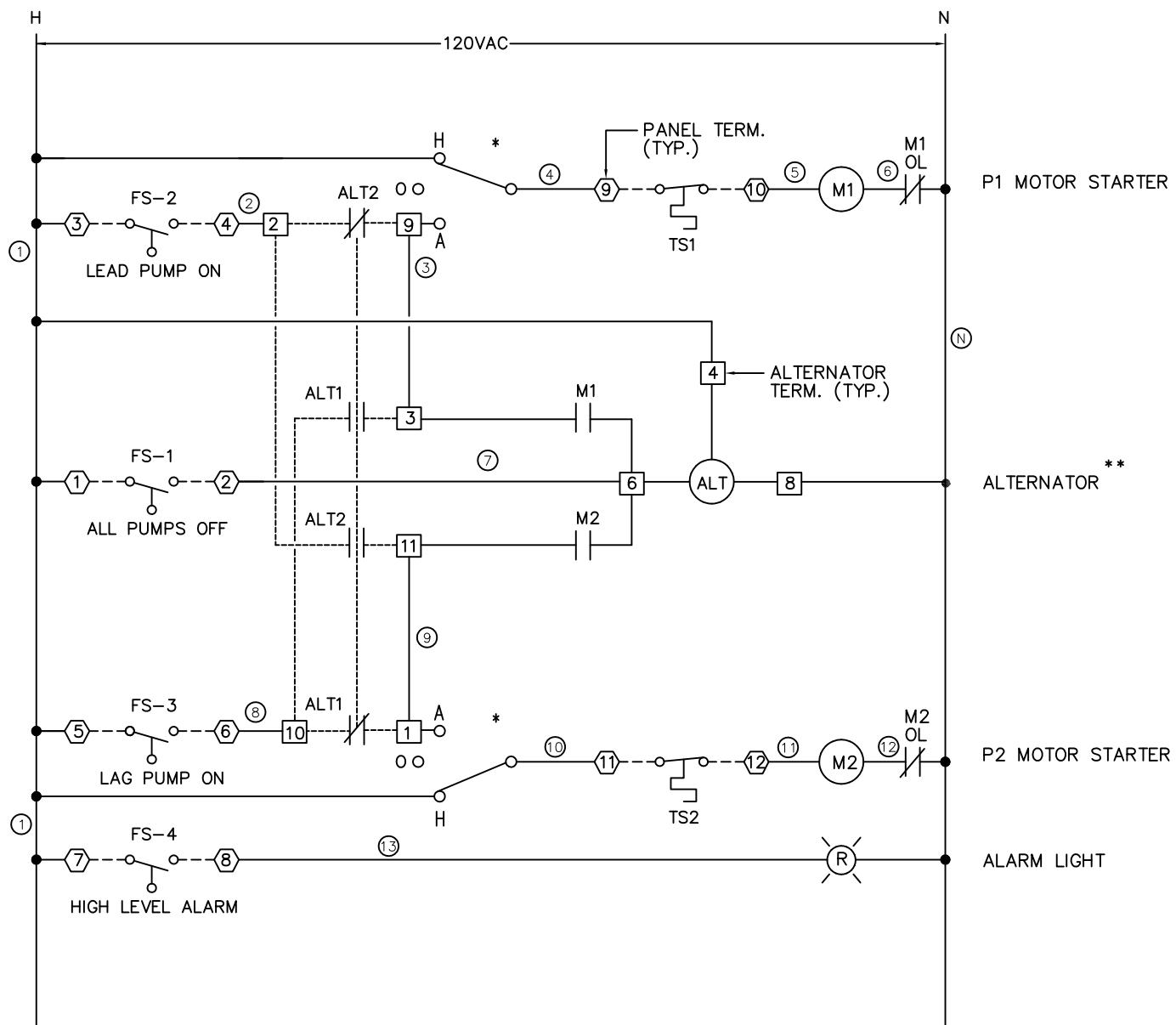
SOLD TO: Delta Process - Mississippi  
TAG : \_\_\_\_\_  
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SHIP TO: Delta Process - Ruston, LA  
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\_\_\_\_\_

	Drawing Title  <b>PANEL DESCRIPTION</b>					
DATE 3/09/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN R.C. BY C. RACHAL	ECN	DATE	BY
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<u>COX</u> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2333  SHEET NUMBER 1		



	Drawing Title <b>POWER DIAGRAM</b>				
DATE 3/09/06	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
	Project Title <b>DUPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2333	
				SHEET NUMBER 2	



Drawing Title  
CONTROL DIAGRAM

DATE  
3/09/06

Project Title  
DUPLEX PUMP  
CONTROL PANEL

REFERENCE DRAWING  
S/N

NO.  
Sales Engineer  
C.C.

REVISION-LOCATION  
Application Engineer  
R.C.

ECN  
DRAWN  
BY C. RACHAL

DATE  
APPROVED  
BY DATE

**COX**  
Research and Technology, Inc.

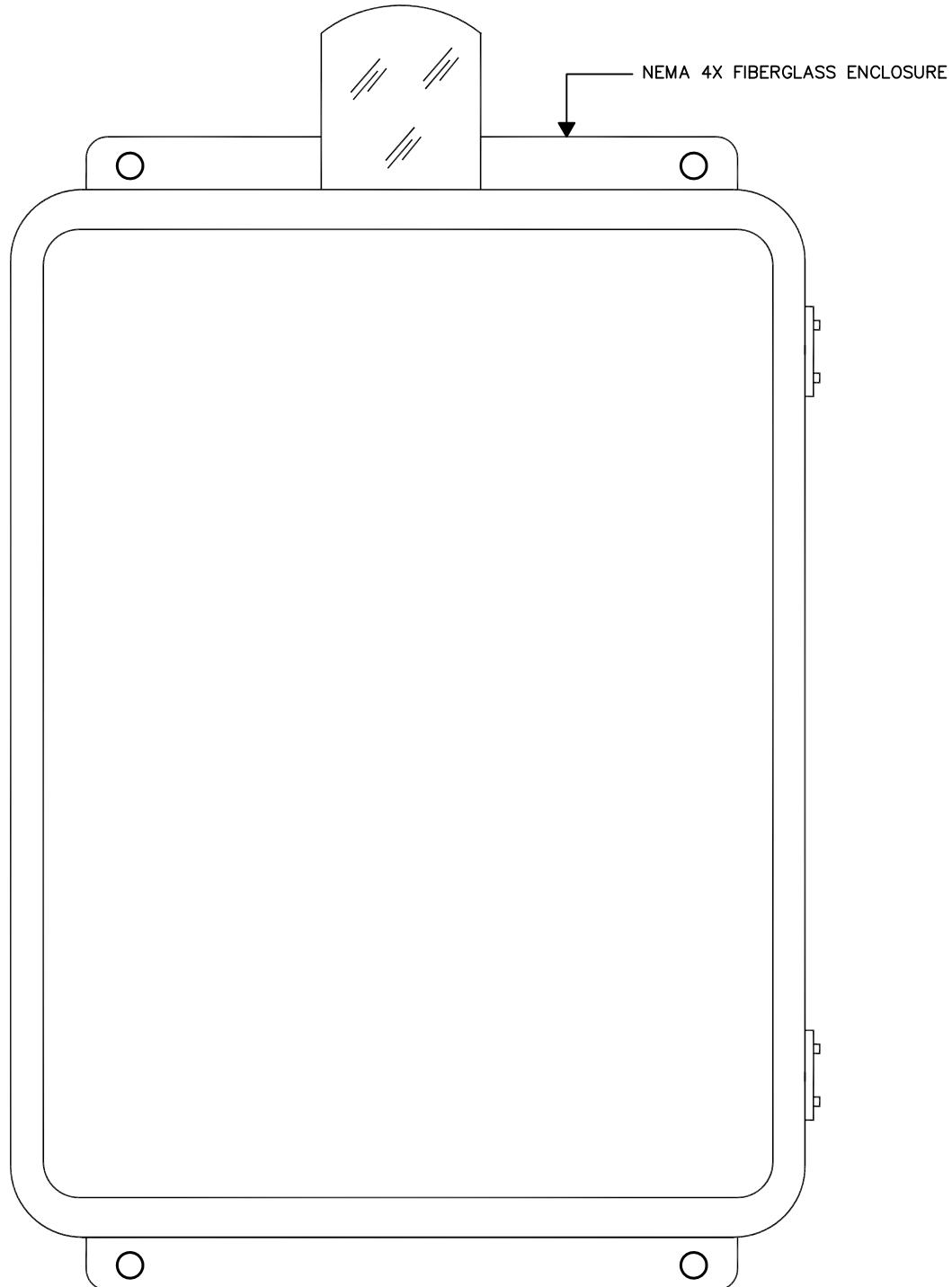
P.O. Box 77808  
Baton Rouge, LA  
70809

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

PURCHASE ORDER NUMBER

DRAWING NUMBER  
CP-2333

SHEET NUMBER  
3



VIEW OF FRONT OF PANEL

NOTE:

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

	Drawing Title  <b>ENCLOSURE</b>						
		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
DATE 3/09/06		Sales Engineer	Application Engineer R.C.				APPROVED BY DATE
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<hr/> <b>COX</b> Research and Technology, Inc. <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2333	SHEET NUMBER 4

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1816HPL	ENCLOSURE
1a	1	VYNCKIER	MP1816A	BACKPLATE
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	2	ABB	A26-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU19	O.L. RELAY (13-19A)
5	2	SQUARE D	QOU235	CB1, CB2
6	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
7	1	INGRAM	MX-15	ALARM LIGHT
8	1	SQUARE D	QOU110	CB3
9	2	DAYTON	2GE83	RUN CAPCITOR
10	2	NUEVA	4CU54	START CAPACITOR
11	2	GE	6X559	RELAY
12				
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	Drawing Title  <b>BILL OF MATERIALS</b>					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
DATE 3/09/06	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>					
		<b>COX</b> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2333 SHEET NUMBER	5