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COX

Research and Technology, Inc.

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FAIRVIEW-UNION WATER  
DUPLEX BACKWASH 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-1664

VOLTAGE	120/208V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	20	
FLA	62.1	
TYPE OF PUMP	Self Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		

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

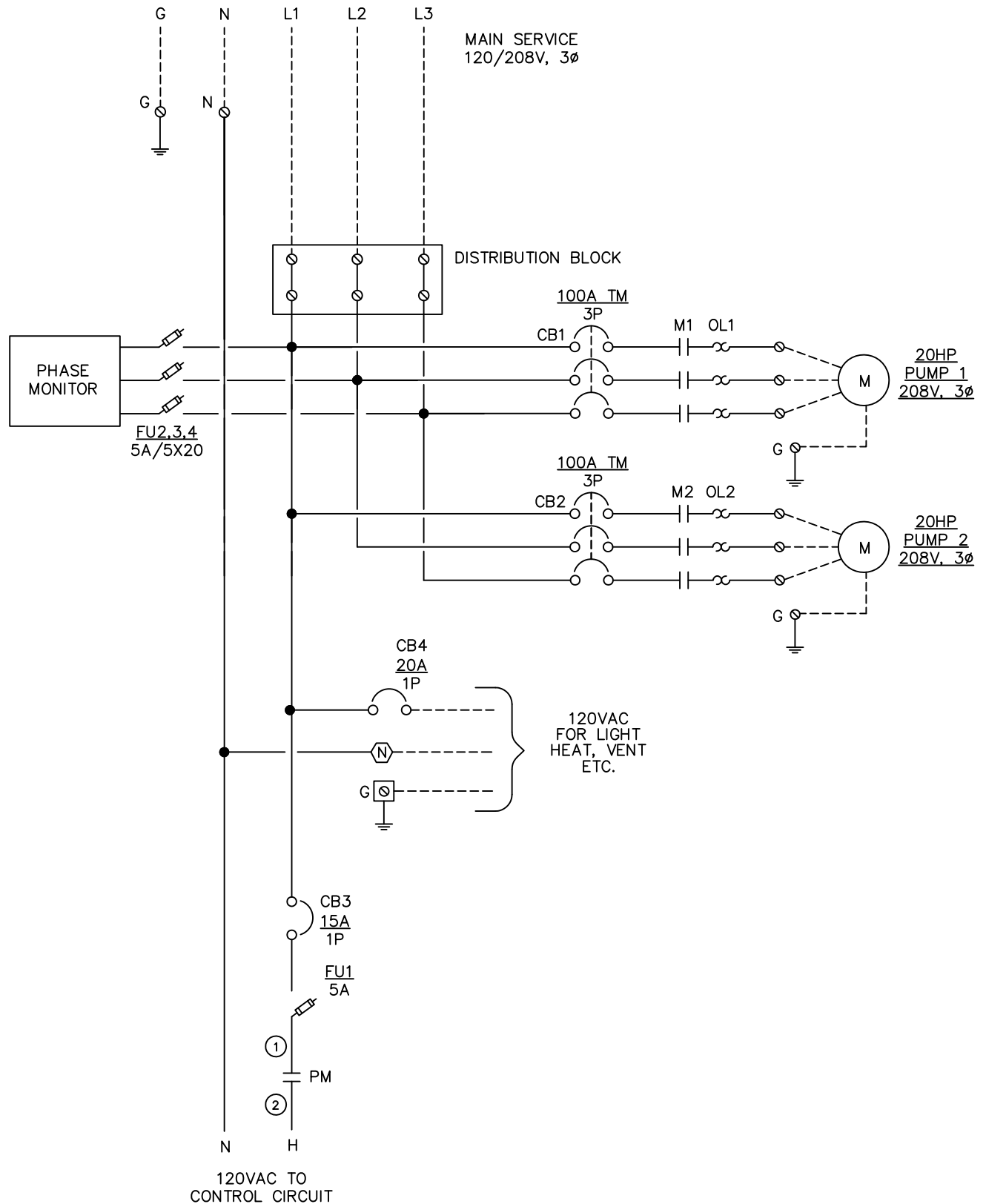
OPTIONS:

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	X	
PHASE MONITOR	X	
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

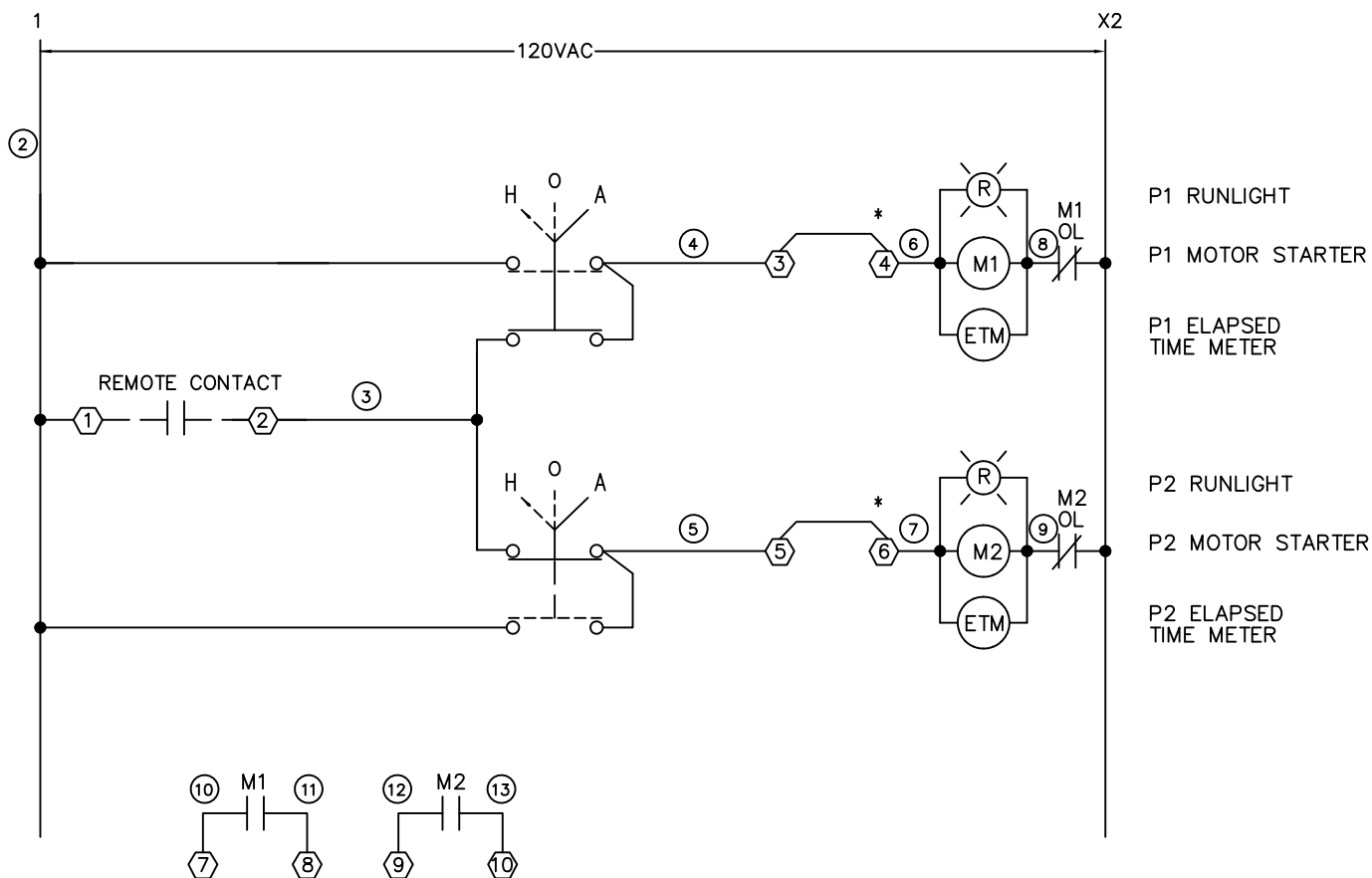
SOLD TO:	Delta Process - Ruston, LA
TAG :	FAIRVIEW-UNION WATER

SHIP TO:	Delta Process - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 9/09/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1664
							SHEET NUMBER 1



	Drawing Title							
	POWER DIAGRAM							
DATE 9/09/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-1664		
						SHEET NUMBER 2		



\* REMOVE JUMPER IF SEAL FAIL LOCKOUT IS PREFERRED.

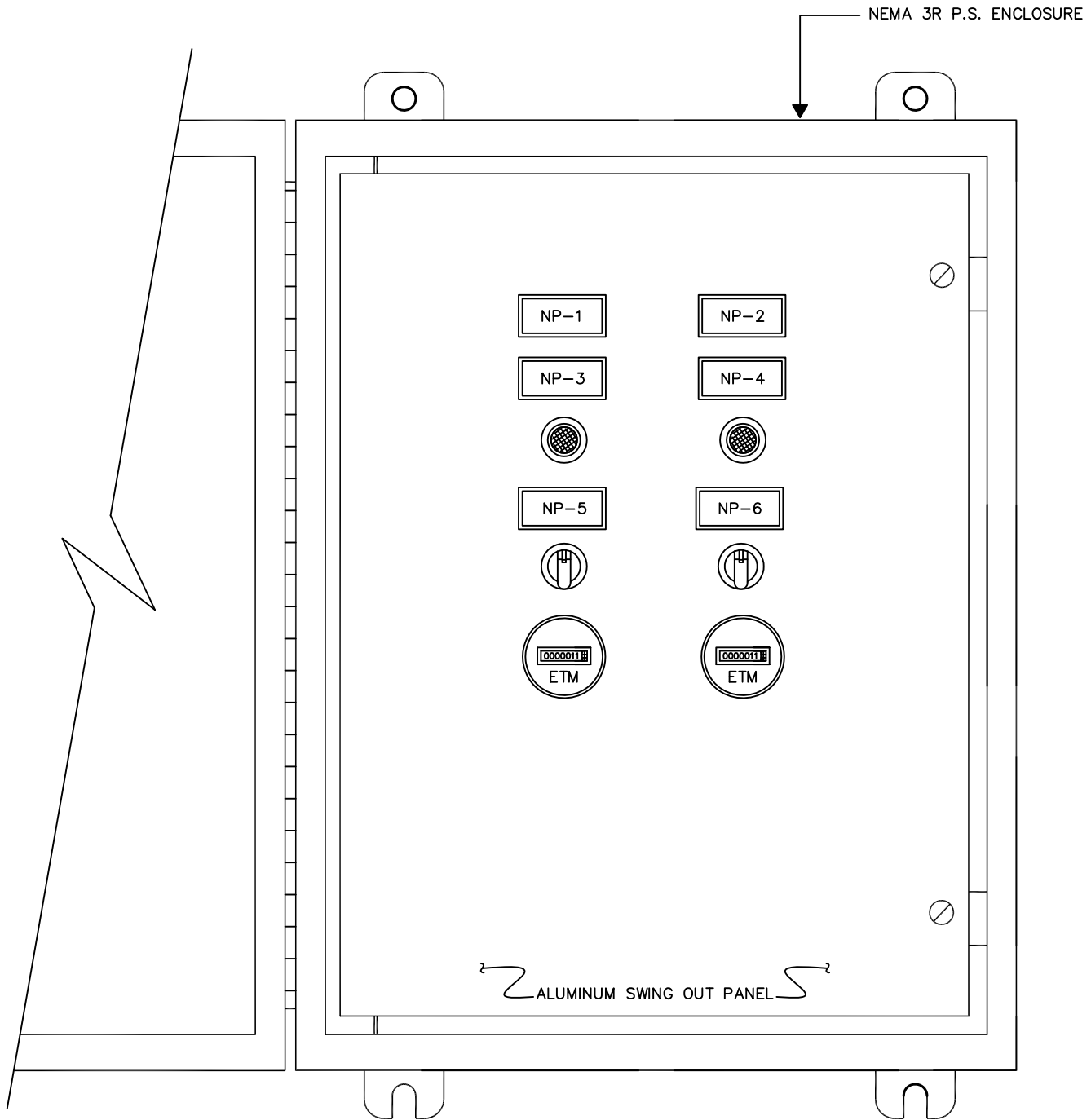
	Drawing Title							
	CONTROL DIAGRAM							
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
9/09/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED		
	Project Title							PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1664
								SHEET NUMBER 3

**COX**

Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809

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VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	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 9/09/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	BY C. RACHAL	ECN	DATE	BY
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1664		
						SHEET NUMBER 4		

# BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	302410REPL	ENCLOSURE
1a	1	EBE	A3024P	BACKPLATE
1b	1	EBE	A3024SP	DEAD FRONT
2	2	ABB	A75-30-11-84	MOTOR STARTER
3	2	ABB	TA75DU80	O.L. RELAY (60-80A)
4	2	ABB	S3N100TW	CB1, CB2
5	2	ACI	JR22FR	RED PILOT LIGHT
6	2	ACI	JR22P3M20B	HOA SWITCH
7	2	GRASSLIN	UWZ52E	ETM
8	1	SQUARE D	QOU115	CB3
9	1	BUSSMANN	16371-3	DISTRIBUTION BLOCK
10	1	BUSSMANN	CPDB-3	DIST. BLOCK COVER
11	1	BUSSMANN	16371-1	NEUTRAL BLOCK
12	1	BUSSMANN	CPDB-1	NEUTRAL BLOCK COVER
13	1	SSAC	PLMU-11	PHASE MONITOR
14	1	SQUARE D	QOU120	CB4
15				
16				
17				
18				
19				
20				
21				
22				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 9/09/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px 0;"> <h1 style="margin: 0;">COX</h1> </div> <div style="font-size: small; margin-top: 5px;">Research and Technology, Inc.</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-1664</div> SHEET NUMBER
	<h2 style="margin: 0;">DUPLEX PUMP CONTROL PANEL</h2>						5