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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
GEISMER VINYL  
LIFT STATION

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

CP-1928


VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	4.0	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	BARNES	
CATALOG NUMBER	SGVF2042L	
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	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

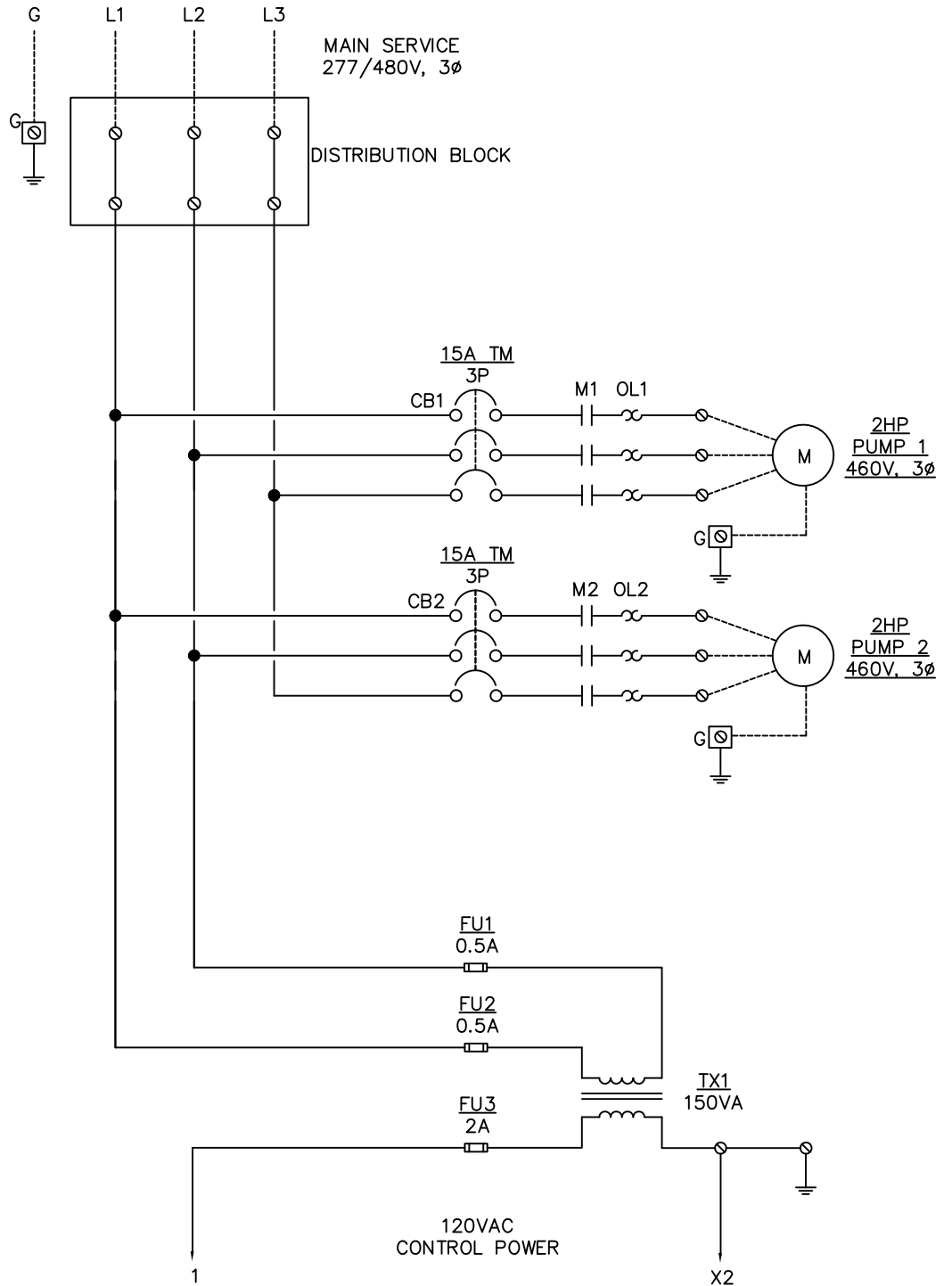
OPTIONS:

SEAL FAIL LIGHTS	X	(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	

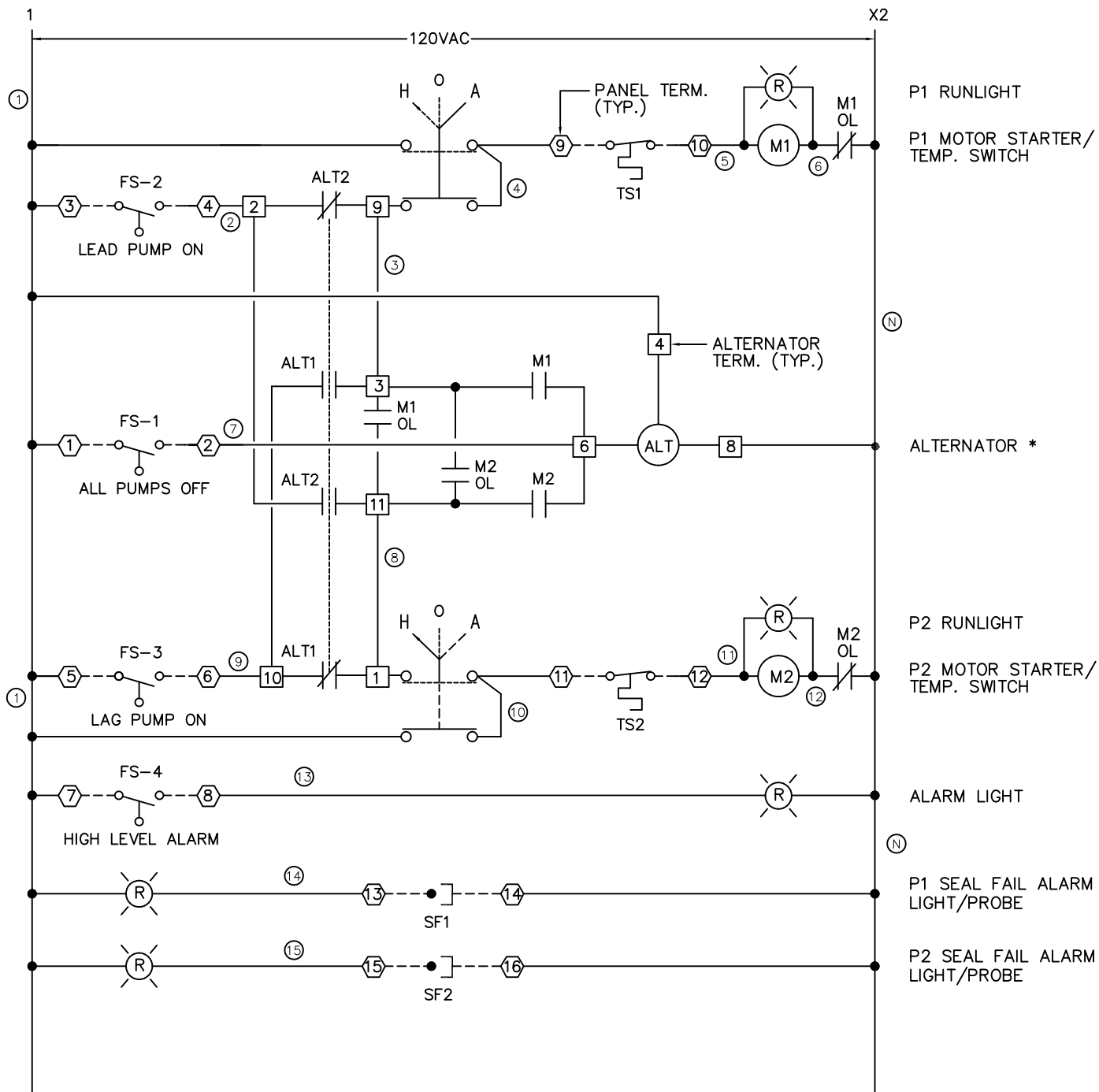
SOLD TO: Delta Process - Denham Springs, LA  
TAG : Geismer Vinyl  
Lift Station

SHIP TO: Delta Process - Denham Springs, LA

	Drawing Title							
	PANEL DESCRIPTION							
DATE 10/14/04			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;">   Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	DUPLX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-1928	
							SHEET NUMBER 1	

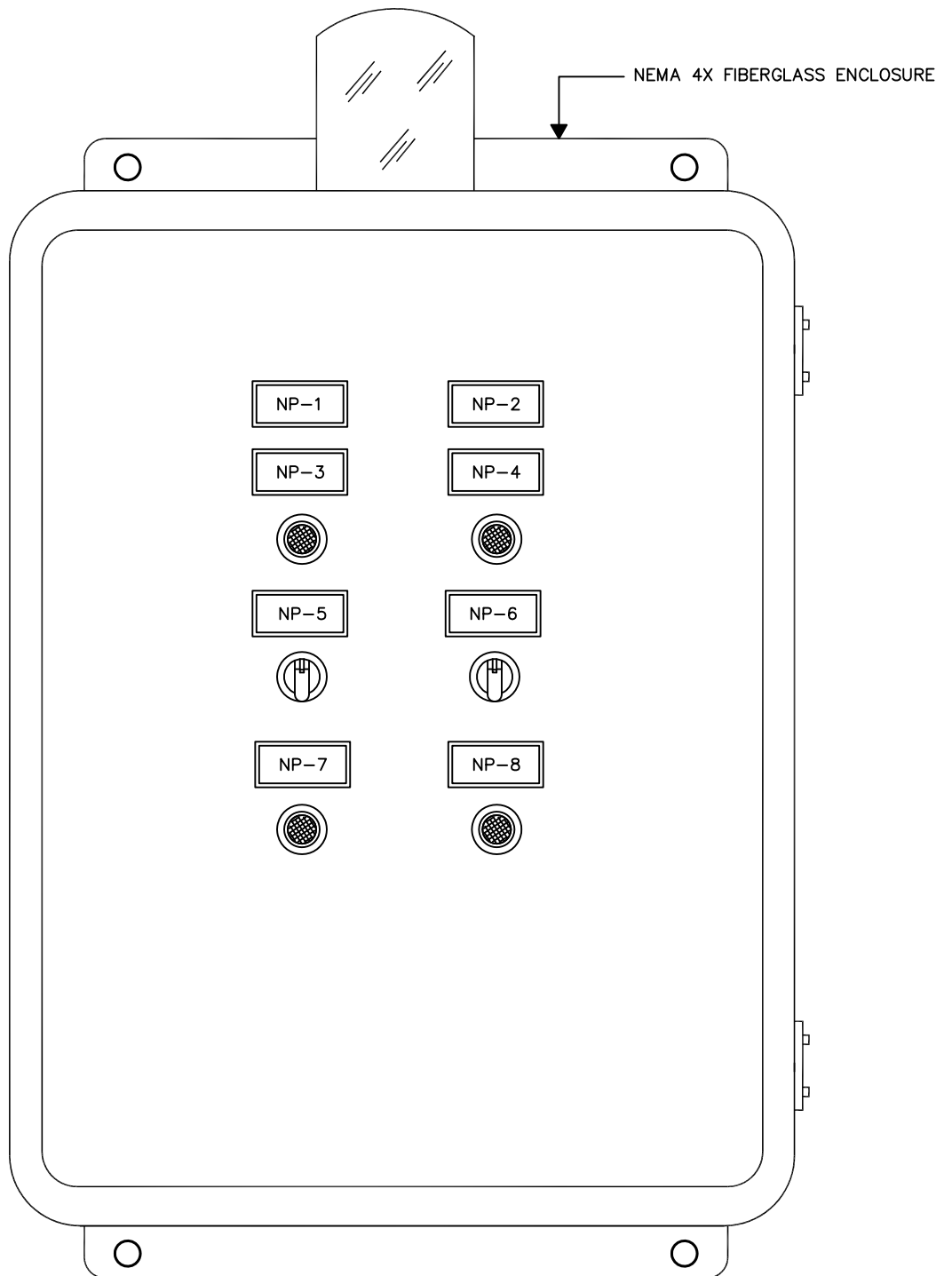


	Drawing Title							
	POWER DIAGRAM							
DATE 10/14/04		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED		
	Project Title				PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL	<div> <div>COX</div> <div>Research and Technology, Inc.</div> </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-1928	
					SHEET NUMBER			2



\* DIVERSIFIED ALTERNATOR

Drawing Title							
CONTROL DIAGRAM							
DATE 10/14/04	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
	S/N		Sales Engineer C.C.		Application Engineer R.C.		DATE
Project Title		BY C. RACHAL		APPROVED		BY	DATE
DUPLEX PUMP CONTROL PANEL		PURCHASE ORDER NUMBER		DRAWING NUMBER CP-1928		SHEET NUMBER	3
		COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030			



VIEW OF PANEL FRONT

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	SEAL FAIL
NP-8	SEAL FAIL

**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 10/14/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN BY C. RACHAL	DATE BY	BY	DATE	BY
	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-1928		
							SHEET NUMBER 4		

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1614HWPL	ENCLOSURE
1a	1	VYNCKIER	MP1614A	BACKPLATE
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU5.0	O.L. RELAY (3.5-5.0A)
5	2	ABB	S1N015TL	CB1, CB2
6	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	ABB	T4150PSF1	TRANSFORMER
10	1	INGRAM	MX-15	ALARM LIGHT
11				
12				
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22				
23				
24				
25				

	Drawing Title						
	<h3 style="margin: 0;">BILL OF MATERIALS</h3>						
DATE 10/14/04		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <h2 style="margin: 0;">COX</h2> <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 CP-1928 SHEET NUMBER <div style="text-align: right;">5</div>
	DUPLEX PUMP CONTROL PANEL						