
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
CENTER TEXAS

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

CP-1934

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	10	
FLA	27	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	BARNES	
CATALOG NUMBER	4XSE10034HA	

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:

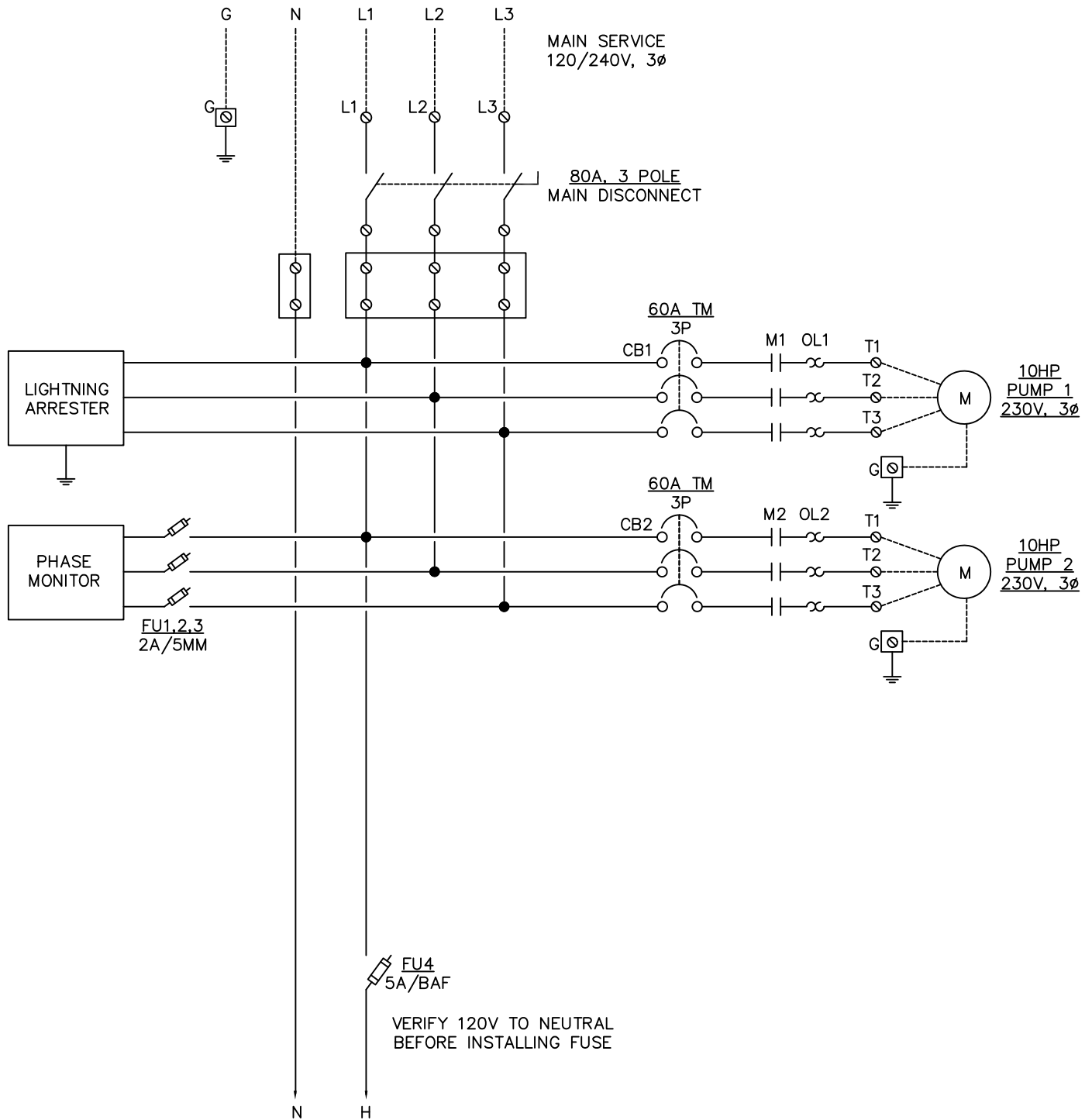
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED	X	
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process - Bossier City, LA

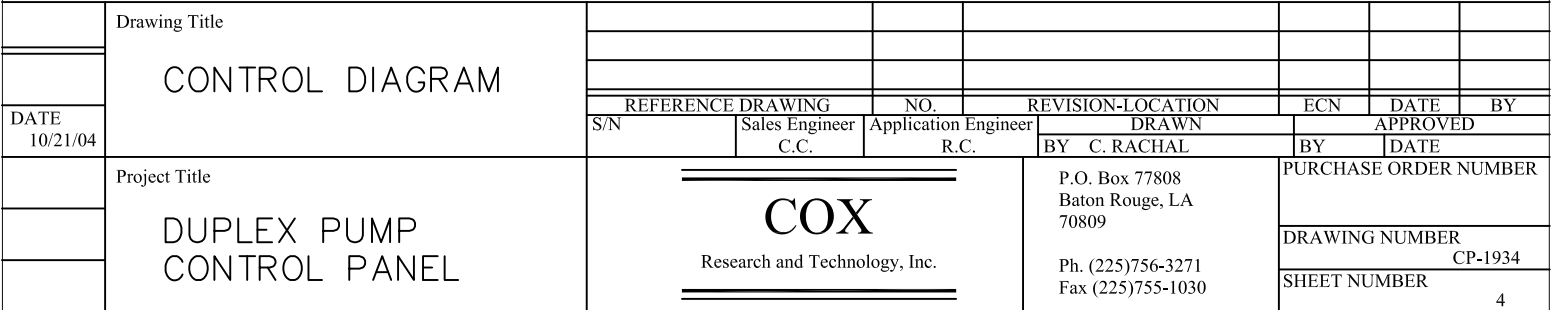
TAG : Center, Texas

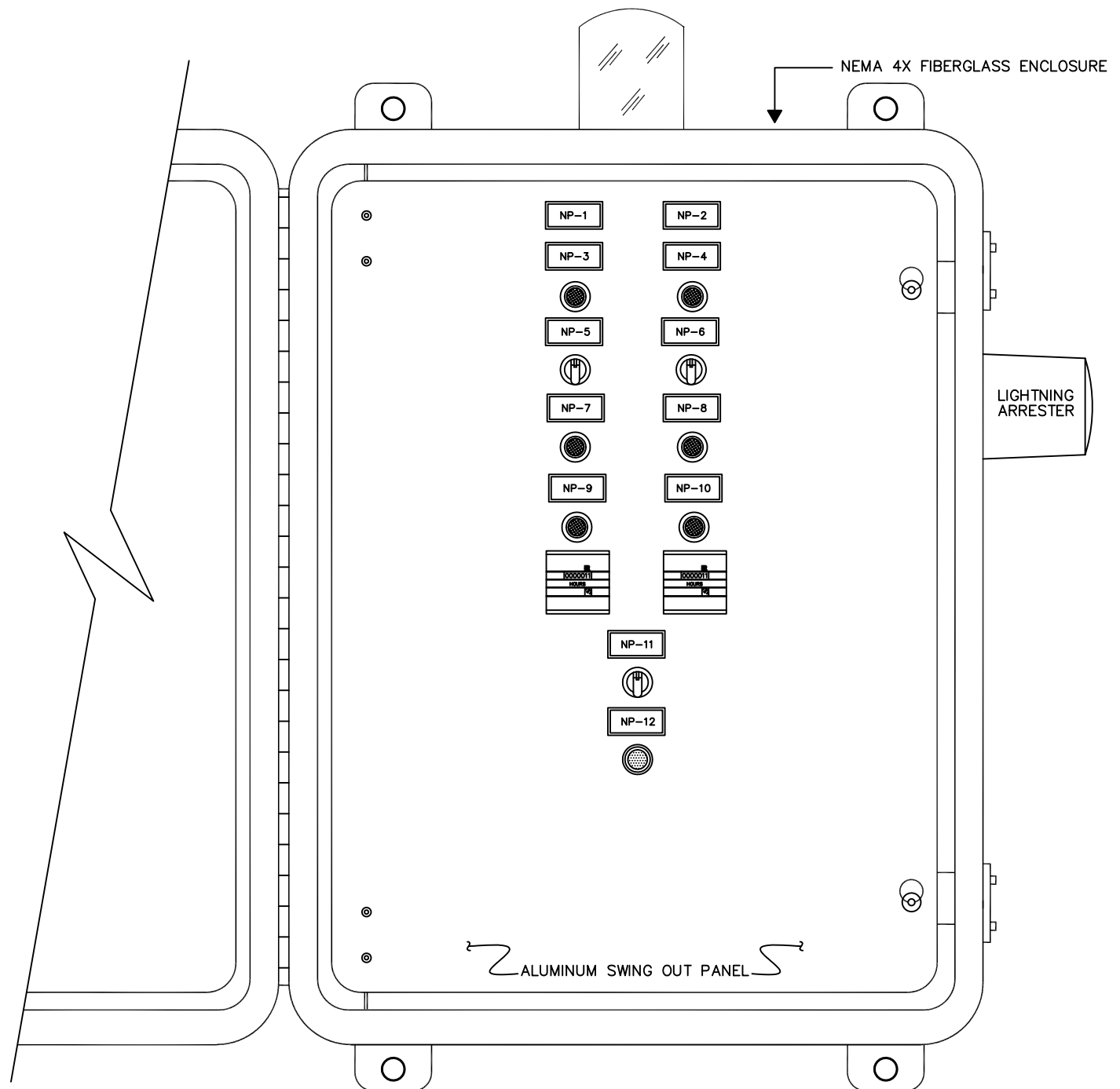
SHIP TO: Delta Process - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 10/21/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div>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)755-1030		DRAWING NUMBER CP-1934
							SHEET NUMBER 1



	Drawing Title							
	POWER DIAGRAM							
DATE 10/21/04		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			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)755-1030	DRAWING NUMBER CP-1934		
						SHEET NUMBER 2		





VIEW OF SWING OUT 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	PUMP 1	NP-9	SEAL FAIL
NP-2	PUMP 2	NP-10	SEAL FAIL
NP-3	RUN	NP-11	PUMP 1 ALT PUMP 2
NP-4	RUN	NP-12	ALARM RESET
NP-5	HOA		
NP-6	HOA		
NP-7	HIGH TEMP		
NP-8	HIGH TEMP		

Drawing Title	ENCLOSURE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE	10/21/04		S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED
				C.C.	R.C.	BY C. RACHAL		DATE
Project Title	DUPLEX PUMP CONTROL PANEL		PURCHASE ORDER NUMBER		DRAWING NUMBER		CP-1934	
			SHEET NUMBER		5			

COX

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P.O. Box 77808
Baton Rouge, LA
70809

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BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM30240RLDF	ENCLOSURE
1a	1	ALLIED	MP3024A	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A40-30-10-84	MOTOR STARTER
4	2	ABB	TA42DU32	O.L. RELAY (22-32A)
5	2	SQUARE D	QOU360	CB1, CB2
6	2	ACI	JR22FR	RED PILOT LIGHT
7	3	ACI	JR22P3M20B	HOA SWITCH
8	1	AC/DC	BL5-R-120	ALARM LIGHT
9	1	DELTA	LA603	LIGHTNING ARRESTER
10	1	SSAC	PLMU-11	PHASE MONITOR
11	2	REDINGTON	711-0190	ELAPSED TIME METER
12	2	SSAC	LLC54AA	SEAL FAIL RELAY
13	2	ACI	JR22FG	GREEN PILOT LIGHT
14	2	ACI	JR22FY	AMBER PILOT LIGHT
15	1	SYMCOM	PUMP SAVER ISS-105	PUMP CONTROLLER
16	1	MARATHON	1323580	DISTRIBUTION BLOCK
17	1	MARATHON	1321580	NEUTRAL BLOCK
18	2	IDEC	RU4S-A110	CR1,2
19	4	MAGNECRAFT	W388AMLCPX-9	CR3,4,5,6
20	5	IDEC	RU2S-A110	CR5A,6A,7,8,9
21	2	OMRON	H3YNAC120	TIME DELAY 1,2
22	1	SENSAPHONE	1104	TELEPHONE DIALER
23	1	ACI	JR22AN11B	PUSH BUTTON
24				
25				

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	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> COX <small>Research and Technology, Inc.</small> </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1934 SHEET NUMBER 6
	DUPLEX PUMP CONTROL PANEL						