
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
5HP 480V 3Ø
4SE 5044L

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

CP-2086

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	5	
FLA	9	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	4SE 5044L	

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	P.S.	(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:

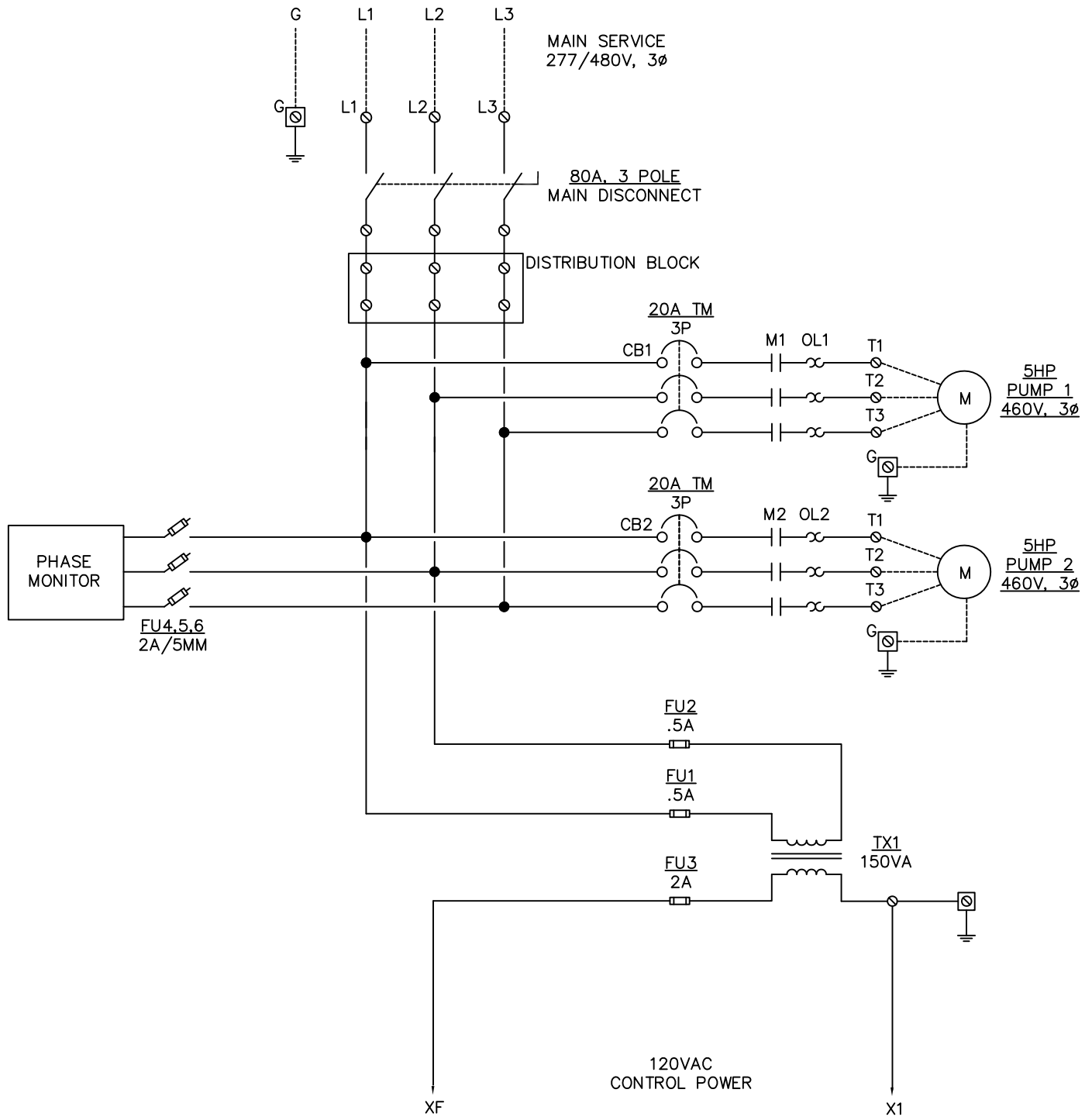
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	X	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
PHASE MONITOR	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 - Mobile, AL

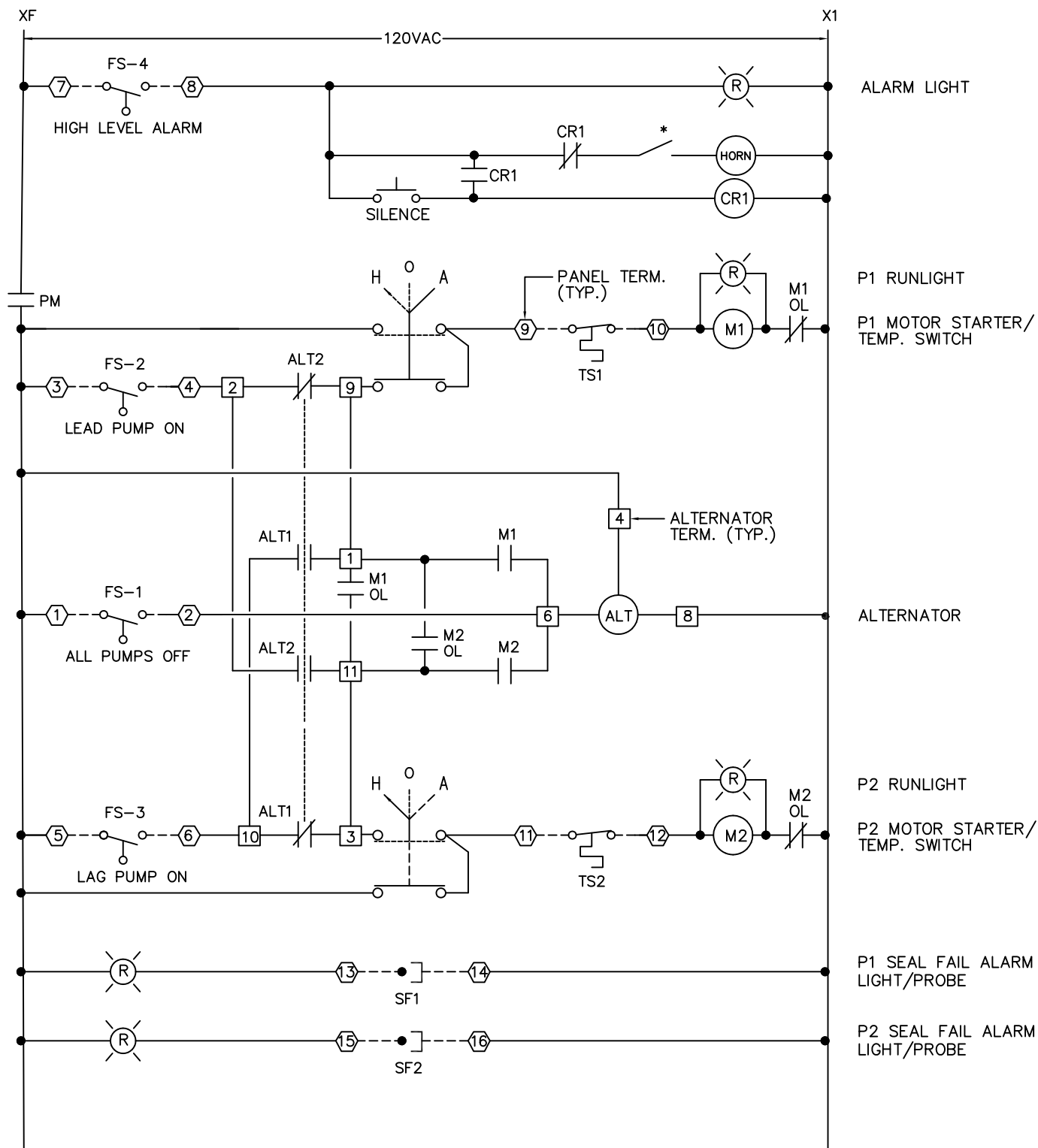
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SHIP TO: Delta Process - Mobile, AL

	Drawing Title							
	PANEL DESCRIPTION							
DATE 6/20/05			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title		<div 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		PURCHASE ORDER NUMBER DRAWING NUMBER CP-2086 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL							

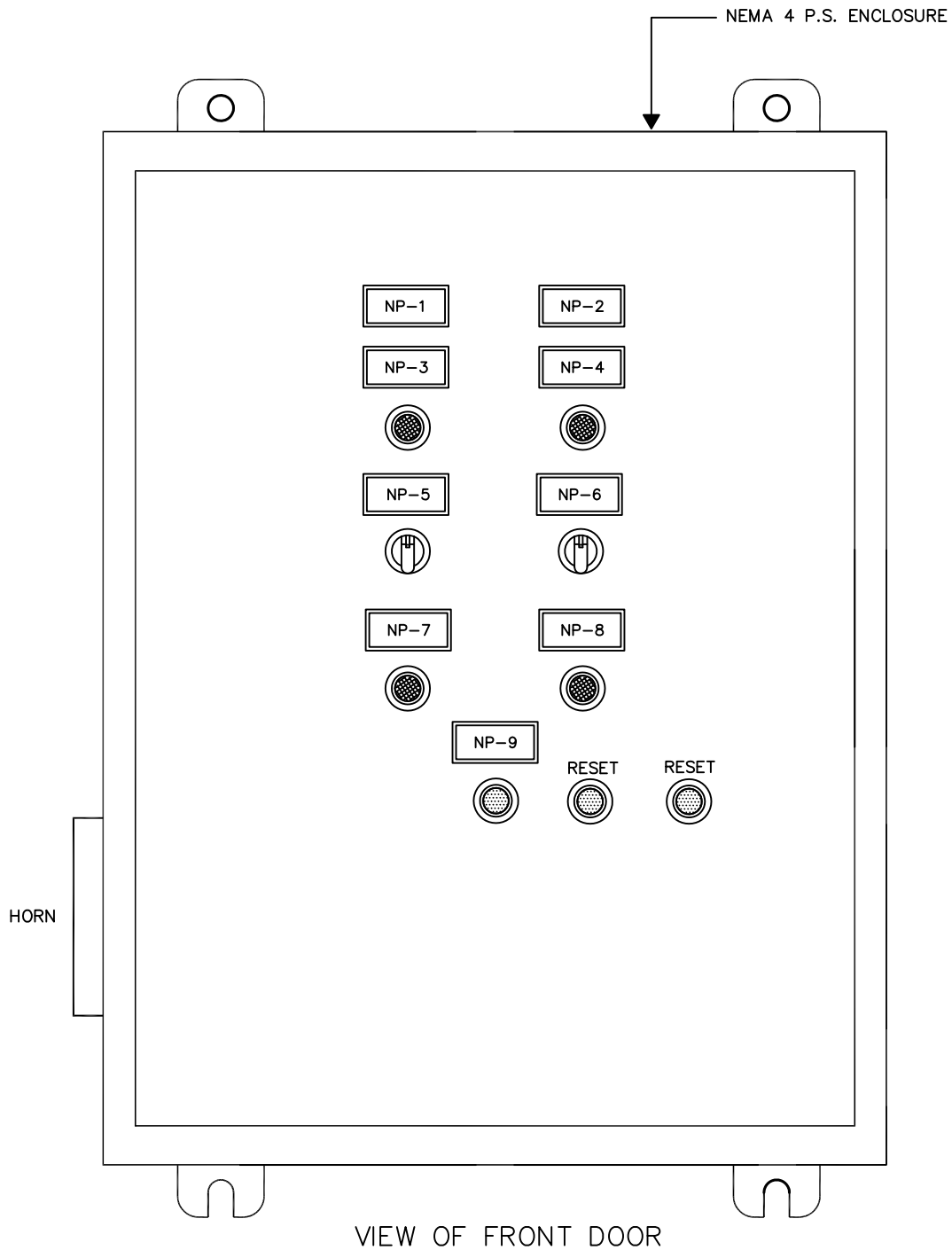


	Drawing Title							
	POWER DIAGRAM							
DATE 6/20/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	BY C. RACHAL	ECN	DATE	BY
	Project Title	DRAWN C. RACHAL				APPROVED		
	DUPLEX PUMP CONTROL PANEL	COX				PURCHASE ORDER NUMBER		
		Research and Technology, Inc.				DRAWING NUMBER CP-2086		
		P.O. Box 77808 Baton Rouge, LA 70809				SHEET NUMBER		
		Ph. (225)756-3271 Fax (225)755-1030				2		



* ACTIVATE/DEACTIVATE SWITCH LOCATED ON BACK PANEL

Drawing Title							
CONTROL DIAGRAM							
DATE 6/20/05	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	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-2086	
						SHEET NUMBER	
						3	



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

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
NP-9	HORN SILENCE

	Drawing Title 	
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BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	SCE	242008REPL	ENCLOSURE
1a	1	SCE	A2420P	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU11	O.L. RELAY (7.5-11A)
5	2	ABB	S1N020TL	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	ABB	T4150PSF-1	TRANSFORMER
10	1	AC/DC	BL5-R-120	ALARM LIGHT
11	1	IDEC	RU2SA110	CR1
12	1	SSAC	PLMU-11	PHASE MONITOR
13	1	ACI	JR22AN11B	PUSH BUTTON
14	1	EDWARDS	870P-N5	HORN
15	2	ABB		O.L. RESET
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	BILL OF MATERIALS						
DATE 6/20/05		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>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP-2086</div> SHEET NUMBER <div style="text-align: right;">5</div>	
	Project Title	DUPLEX PUMP CONTROL PANEL					