
COX

Research and Technology, Inc.

DUPLEX SELF PRIMING PUMP
CONTROL PANEL
LAKE PROVIDENCE, LA

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

QTY=2
CP-1604

VOLTAGE	<u>120/240V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>10</u>	
FLA	<u>28</u>	
TYPE OF PUMP	<u>Self-Priming</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>GR</u>	
CATALOG NUMBER	<u></u>	


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

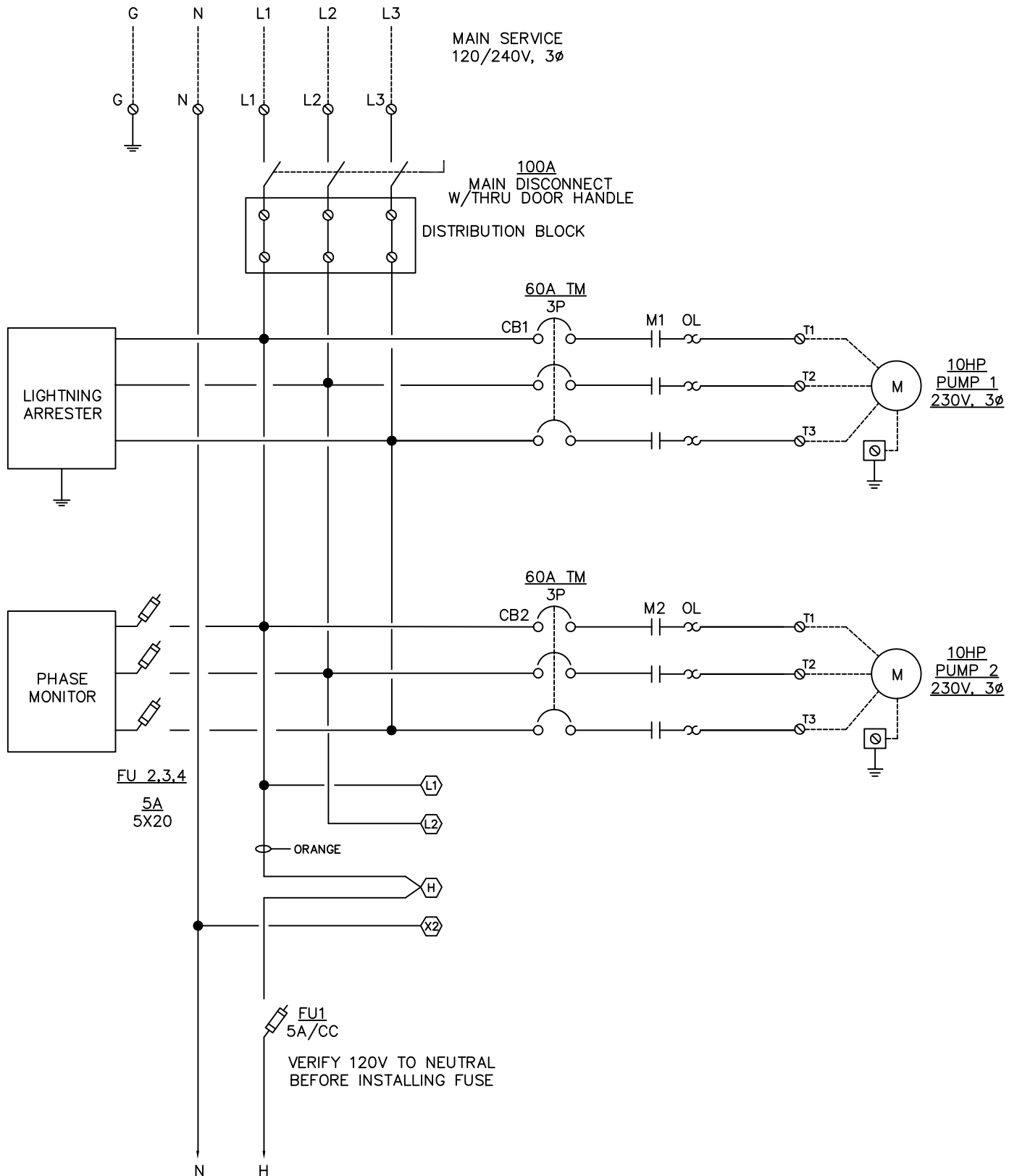
OPTIONS:

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

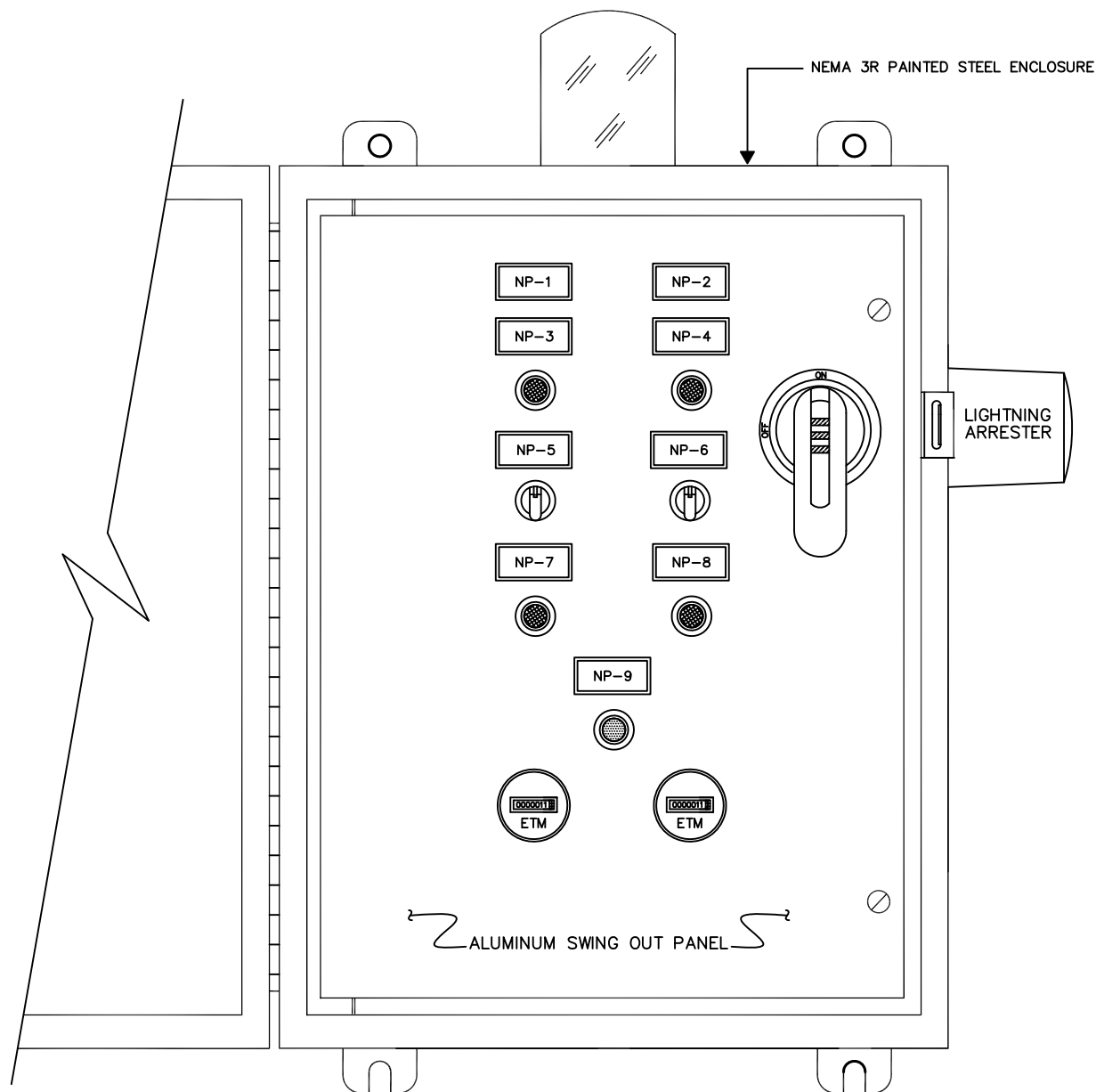
SOLD TO:	<u>Delta Process - Ruston, LA</u>
TAG :	<u>Duplex S.P. Pump Control Panel</u>
	<u>Lake Providence, LA</u>

SHIP TO:	<u>Delta Process - Ruston, LA</u>
	<u></u>
	<u></u>

	Drawing Title						
	PANEL DESCRIPTION						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
7/21/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY
	Project Title				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	DUPLEX S.P. PUMP CONTROL PANEL	<div style="text-align: center;">  Research and Technology, Inc. </div>			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1604	
						SHEET NUMBER 1	



DATE 7/21/03	Drawing Title							
	POWER DIAGRAM							
	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	
	S/N		Sales Engineer C.C.		Application Engineer R.C.		DRAWN BY C. RACHAL	
Project Title								PURCHASE ORDER NUMBER
DUPLX S.P. PUMP CONTROL PANEL								DRAWING NUMBER CP-1604
								SHEET NUMBER 2



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
NP-7	HIGH TEMP
NP-8	HIGH TEMP
NP-9	PUSH TO RESET

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 7/21/03			REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.		DRAWN BY C. RACHAL	ECN BY
	Project Title DUPLEX S.P. PUMP CONTROL PANEL		COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER		
							DRAWING NUMBER CP-1604		
							SHEET NUMBER 4		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	302410REPL	ENCLOSURE
1a	1	EBE	A3024P	BACKPLATE
1b	1	EBE	A3024SP	DEAD FRONT
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	SQUARE D	8536SD01V02S	MOTOR STARTER NEMA SZ 2
4	2	SQUARE D	B50.0	O.L. HEATERS
5	2	SQUARE D	QOU360	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	1	AC/DC	BL5-R-120	ALARM LIGHT
9	1	C-H	CHSA03	LIGHTNING ARRESTER
10	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
11	1	SSAC	PLMU11	PHASE MONITOR
12	2	ACI	JR22P3M20B	HOA SWITCH
13	2	ACI	JR22FY	AMBER PILOT LIGHT
14	1	MARATHON	1323580	DISTRIBUTION BLOCK
15	1	ABB	OHB45L5	HANDLE
16	1	ABB	OXF5X265	SHAFT
17	1	ACI	JR22AN11B	PB
18	2	MAGNACRAFT	W388AMLCPX-9	LATCHING RELAY
19				
20				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 7/21/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <h3 style="margin: 0;">COX</h3> </div> <div style="margin-top: 5px;">Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		<div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">PURCHASE ORDER NUMBER</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">DRAWING NUMBER CP-1604</div> <div style="border: 1px solid black; padding: 2px;">SHEET NUMBER</div>
	<h2 style="margin: 0;">DUPLEX S.P. PUMP CONTROL PANEL</h2>						5