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COX

Research and Technology, Inc.

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DUPLEX COMPRESSOR  
CONTROL PANEL

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

CP-1647

VOLTAGE	<u>120/240V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>1/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>5</u>	
FLA	<u>28</u>	
TYPE OF PUMP	<u></u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Fiberglass</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u></u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u></u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	


OPTIONS:

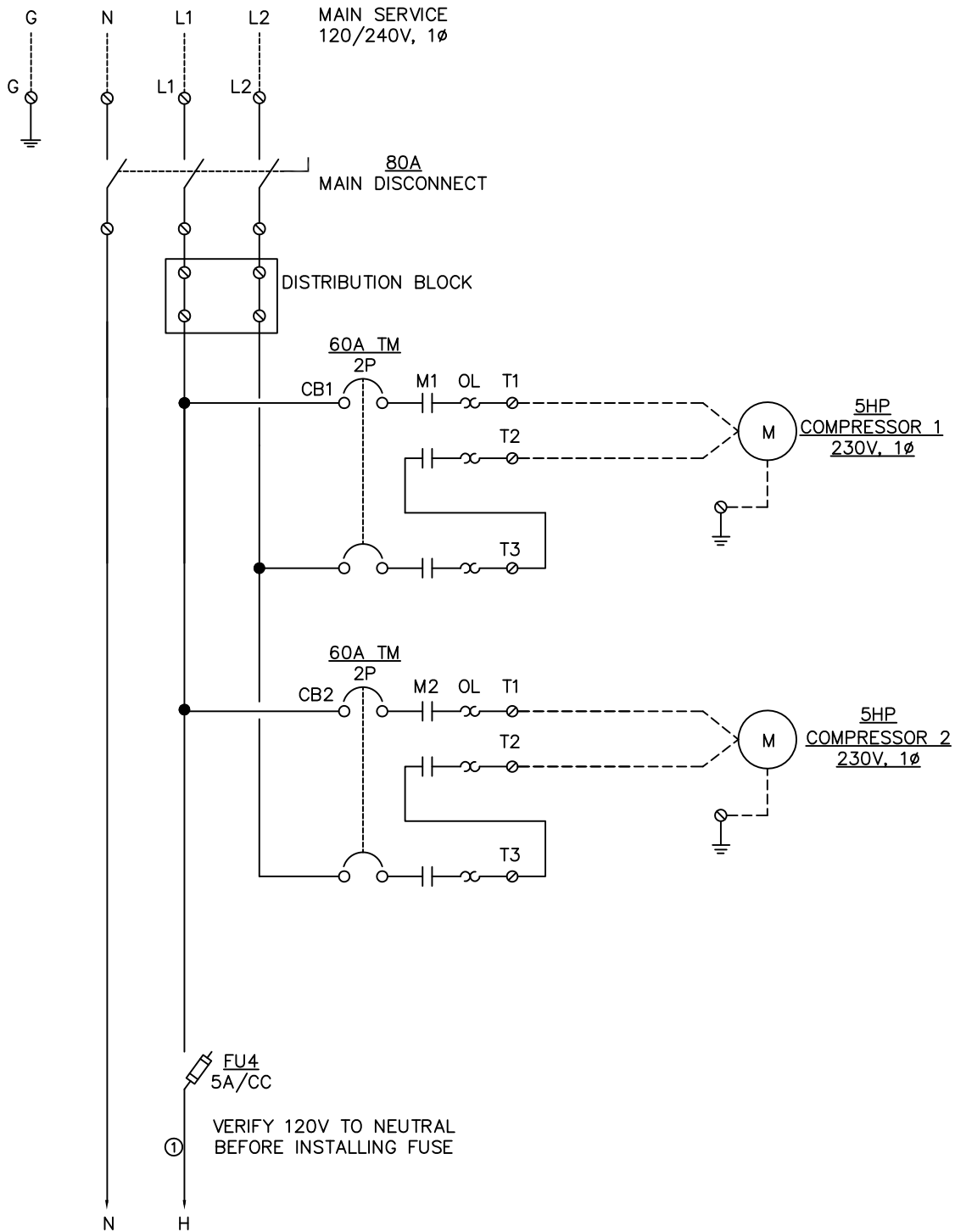
SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u></u>	(Self-Primer, Submersible)
ALARM HORN	<u></u>	
ALARM LIGHT	<u></u>	
LIGHT PANEL MTD	<u></u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u></u>	
LIGHTNING ARRESTER	<u></u>	
ELAPSED TIME METER	<u>X</u>	
PHASE MONITOR	<u></u>	
NEMA RATED STARTERS	<u></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></u>	
ECONOMY VERSION	<u></u>	

SOLD TO: Delta Process - Bossier City, LA

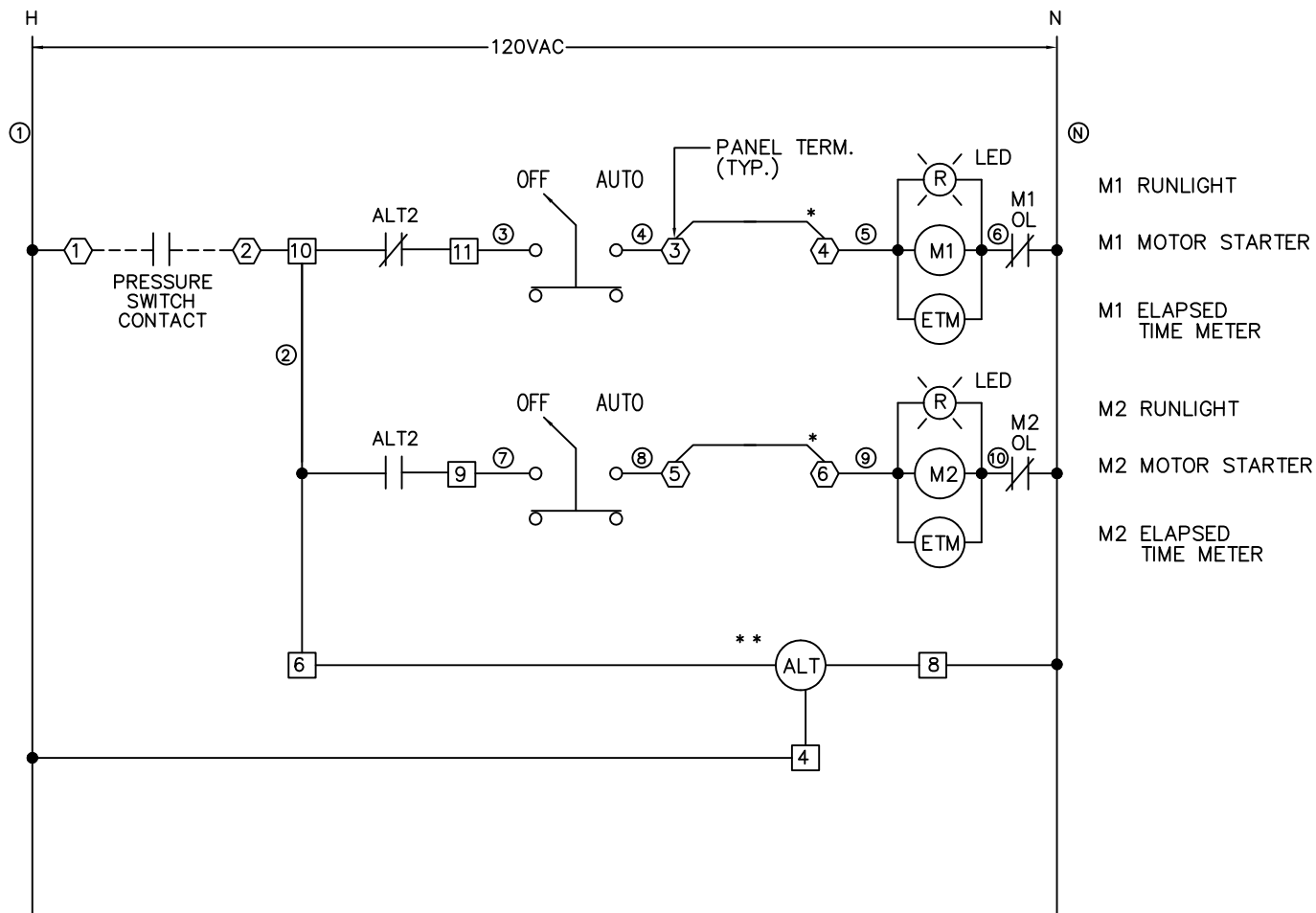
TAG :

SHIP TO: Delta Process - Bossier City, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 9/04/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;">   <b>COX</b>  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-1647
							SHEET NUMBER 1



	Drawing Title							
	POWER DIAGRAM							
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
9/04/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED		
	Project Title				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1647		
						SHEET NUMBER 2		



\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

\* \* DIVERSIFIED ALTERNATOR

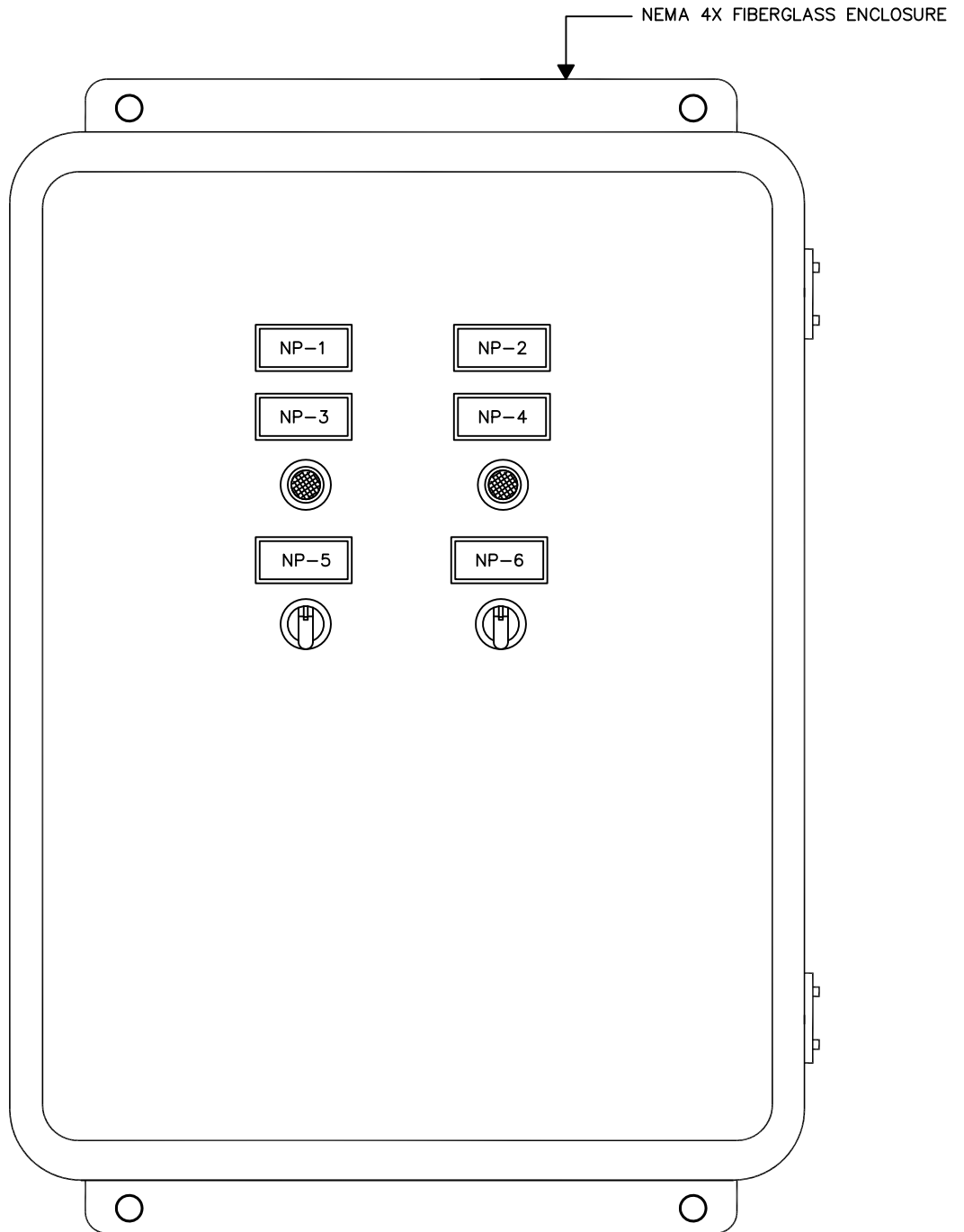
	Drawing Title							
	CONTROL DIAGRAM							
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
9/04/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED		
	Project Title							PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1647
								SHEET NUMBER 3

**COX**

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Baton Rouge, LA  
70809

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VIEW OF FRONT DOOR

NAMEPLATE SCHEDULE

NP-1	COMPRESSOR 1
NP-2	COMPRESSOR 2
NP-3	RUN
NP-4	RUN
NP-5	OFF-AUTO
NP-6	OFF-AUTO

NOTE:

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

DATE 9/04/03	Drawing Title  ENCLOSURE							
			REFERENCE DRAWING		NO.		REVISION-LOCATION	
			S/N		Sales Engineer C.C.		Application Engineer R.C.	
					DRAWN		APPROVED	
					BY C. RACHAL		BY	
							DATE	
							PURCHASE ORDER NUMBER	
							DRAWING NUMBER	
							CP-1647	
							SHEET NUMBER	
							4	

Project Title

DUPLEX PUMP  
CONTROL PANEL

**COX**

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70809

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# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1816HPL	ENCLOSURE
1a	1	VYNCKIER	MP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A30-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU32	O.L. RELAY (24-32A)
5	2	SQUARE D	QOU260	CB1, CB2
6	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P2M11B	OFF-AUTO SWITCH
9	2	REDINGTON	711-0187	ELAPSED TIME METER
10				
11				
12				
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22				
23				
24				
25				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 9/04/03		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: 150px;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>			<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <p style="margin: 0; font-size: small;">P.O. Box 77808 Baton Rouge, LA 70809</p> <p style="margin: 0; font-size: small;">Ph. (225)756-3271 Fax (225)756-1030</p> </div>		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <p style="margin: 0; font-size: small;">PURCHASE ORDER NUMBER</p> <p style="margin: 0; font-size: small;">DRAWING NUMBER CP-1647</p> <p style="margin: 0; font-size: small;">SHEET NUMBER</p> </div>
	<h2 style="margin: 0;">DUPLEX PUMP CONTROL PANEL</h2>						5