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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL

INTIER AUTOMATION DISTRIBUTION CENTER

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

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	3.4A	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Meyers	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	S.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	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS	X	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED	X	
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS	X	
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process - Bossier City, LA  
TAG : Intier Automation Distribution Center

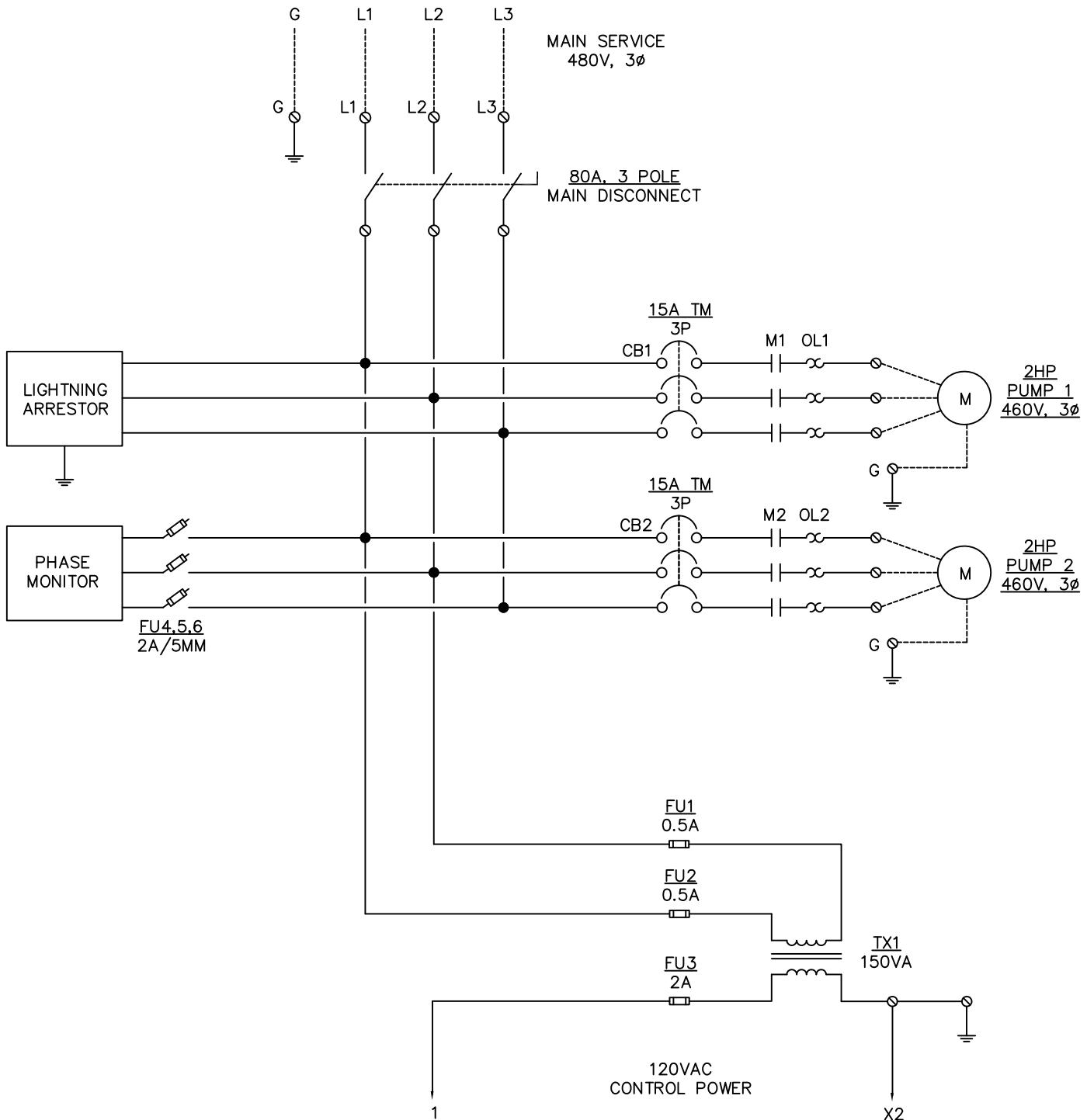
SHIP TO: Delta Process - Bossier City, LA

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO. R.C.	REVISION-LOCATION		ECN	DATE BY
		S/N	Sales Engineer C.C.		Application Engineer R.C.	DRAWN BY CTR		
DATE 8/09/02	Project Title  DUPLEX PUMP CONTROL PANEL							

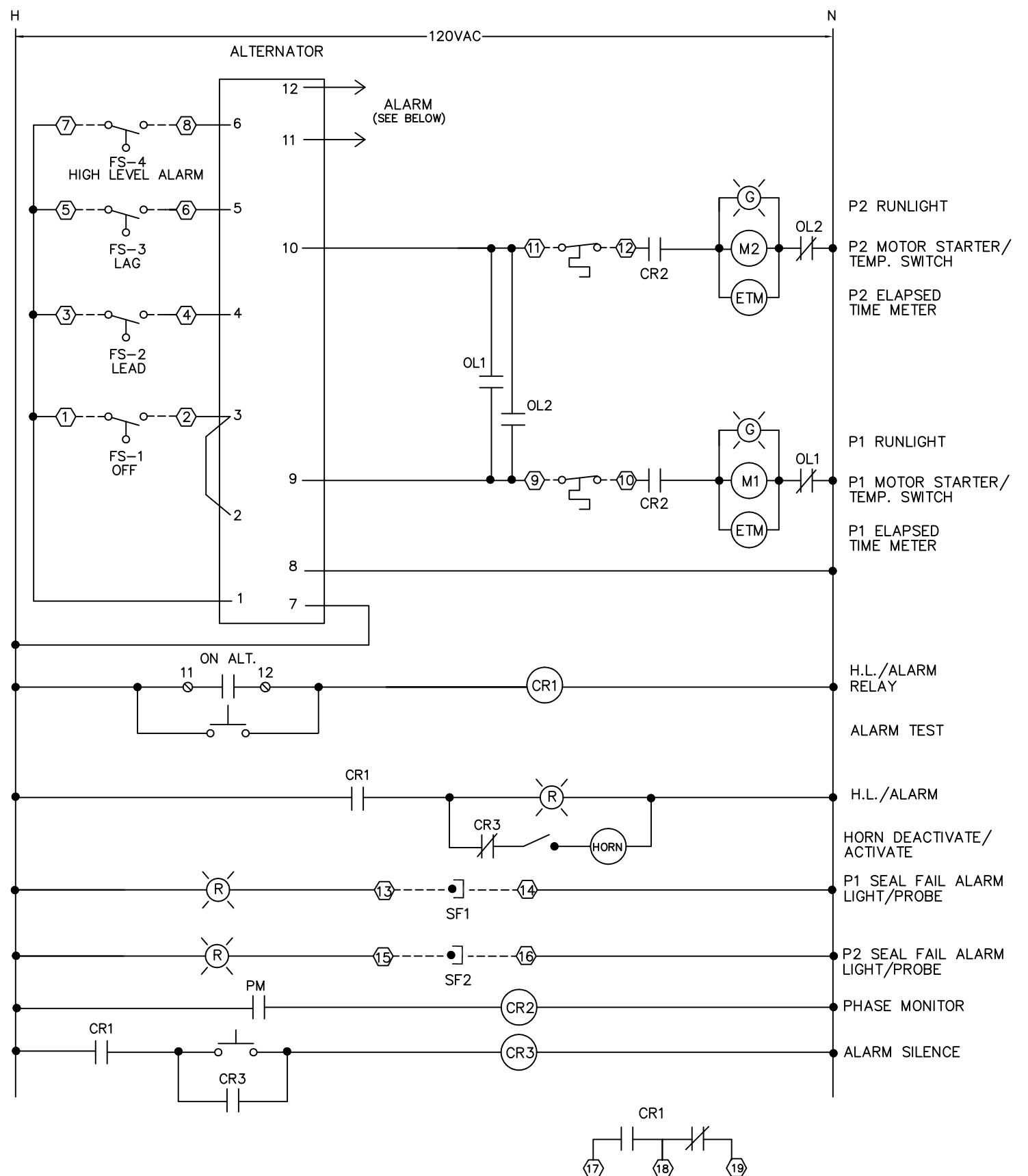
**COX**  
Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809  
Ph. (225)756-3271  
Fax (225)756-1030

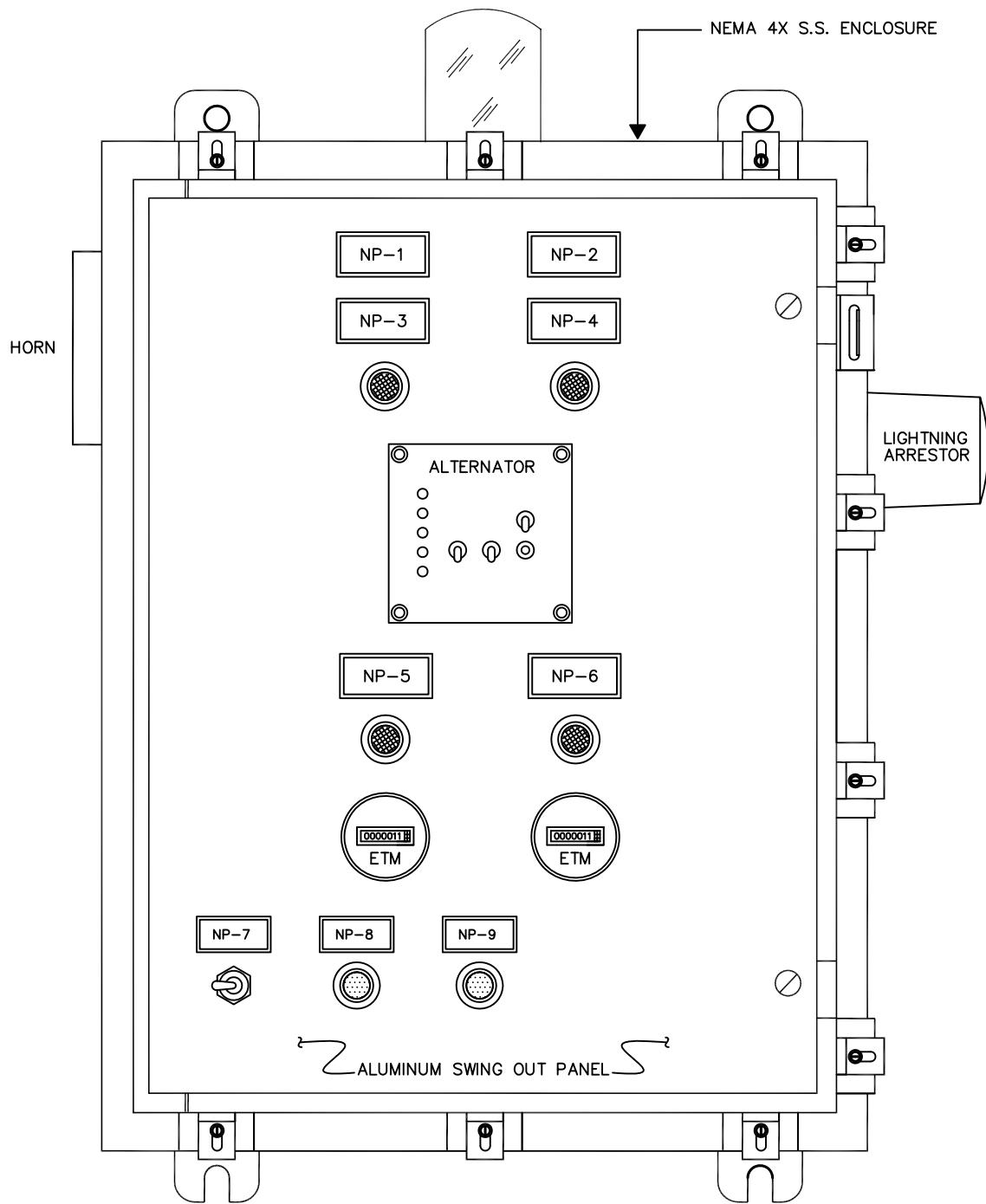
PURCHASE ORDER NUMBER
DRAWING NUMBER CP-1469
SHEET NUMBER 1



	Drawing Title									
	POWER DIAGRAM									
DATE 8/09/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE APPROVED BY DATE				
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <b>COX</b> Research and Technology, Inc. <hr/>				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1469 SHEET NUMBER 2			
						Ph. (225)756-3271 Fax (225)756-1030				



	Drawing Title  CONTROL DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR
DATE 8/09/02					DATE APPROVED BY DATE
	Project Title  DUPLEX 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-1469 SHEET NUMBER 3



#### NAMEPLATE SCHEDULE

#### VIEW OF SWING OUT PANEL

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

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	SEAL FAIL
NP-6	SEAL FAIL
NP-7	HORN DEACTIVATE/ACTIVATE
NP-8	ALARM TEST
NP-9	ALARM SILENCE

	Drawing Title						
	ENCLOSURE						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 8/09/02	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
	C.C.		R.C.	BY CTR	BY	DATE	
	Project Title	<hr/> <hr/> <hr/> <b>COX</b> <hr/> <hr/>			PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			DRAWING NUMBER		
		Ph. (225)756-3271			CP-1469		
		Fax (225)756-1030			SHEET NUMBER		
					4		

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S24208N4X	ENCLOSURE
1a	1	EBE	A2420P	BACKPLATE
1b	1	EBE	A2420SP	DEAD FRONT
2	1	ABB	OT63E3	DISCONNECT SWITCH
3	2	SQUARE D	S1NO15TL	CB 1,2
4	2	ABB	A16NO-30-10-84	MS 1,2
5	2	ABB	TA25DU4.0	OL 1,2 (2.8-4.0A)
6	1	DIVERSIFIED	ARM-120-AFEP	ALTERNATOR
7	1	SSAC	PLMU11	P.M.
8	1	CH	CHSA03	LIGHTNING ARRESTER
9	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
10	2	ACI	JR22FG	PILOT LIGHT GREEN
11	2	ACI	JR22FR	PILOT LIGHT RED
12	2	ACI	JR22AN11B	PUSH BUTTON
13	1	AC/DC	BL5-R-120	ALARM LIGHT
14	1	EDWARDS	870P-N5	HORN
15	1	SQUARE D	9070TF150D1	TRANSFORMER
16	3	OMRON	MK3PN5SAC120	CR1,2,3,
17	1	STOCK		TOGGLE SWITCH
18				
19				
20				
21				
22				
23				
24				

	Drawing Title						
	<b>BILL OF MATERIALS</b>						
			REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE BY
DATE 8/09/02	Project Title  DUPLEX PUMP CONTROL PANEL		<b>COX</b> <small>Research and Technology, Inc.</small>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		
					PURCHASE ORDER NUMBER		
					DRAWING NUMBER CP-1469		
					SHEET NUMBER 5		