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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
TRAILER LAND  
5 H.P.

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

CP-1502

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	5	
FLA	43	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Meyers	
CATALOG NUMBER	WG30	

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	Yes	(Yes, No)
CAPACITOR WIRING FIGURE	M	
THERM. & SEAL FAIL WIRING FIGURE	1, 6, 8	

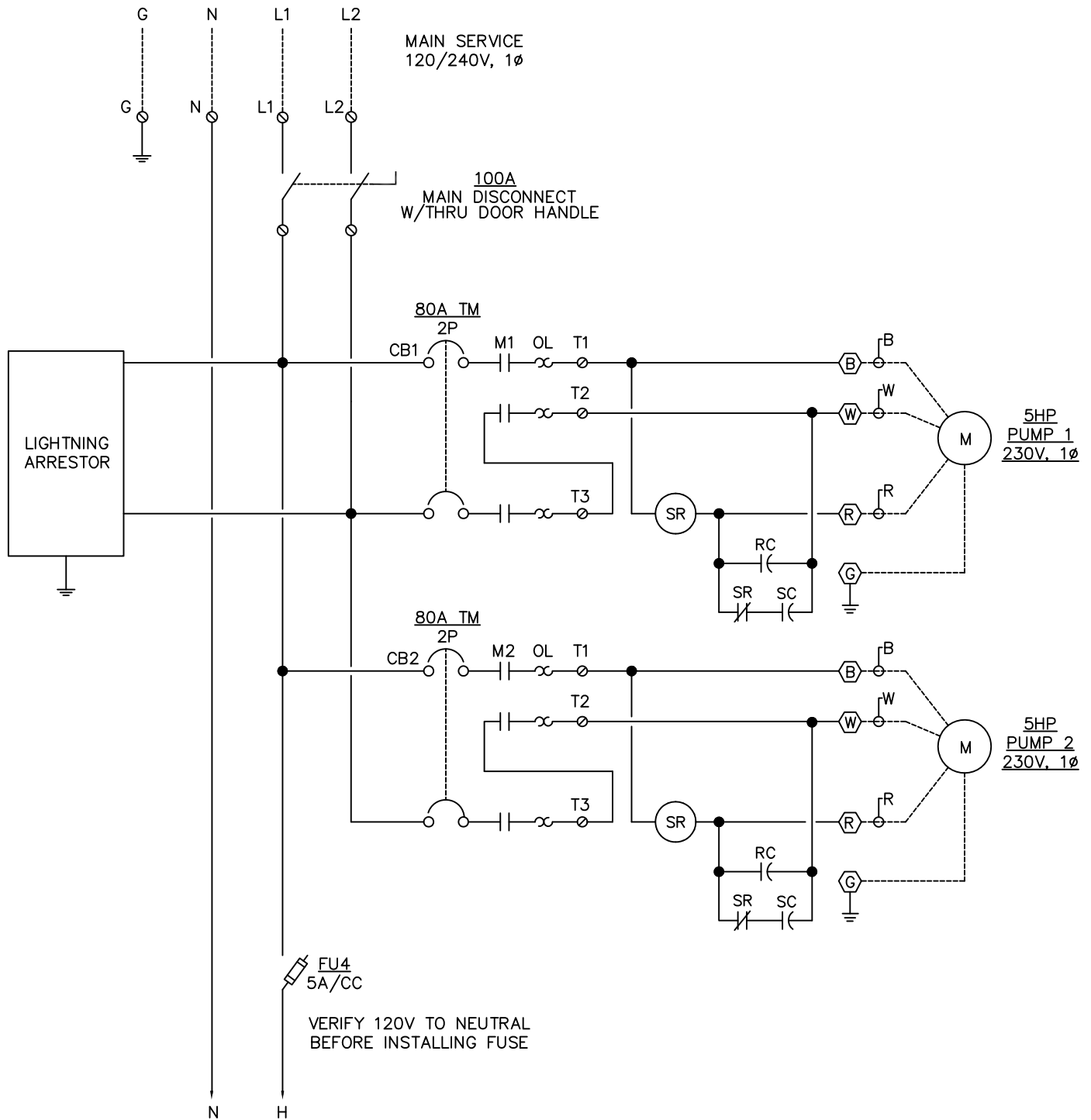
OPTIONS:

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 W/ Switch	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER	X	
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		
SWING INTERNAL DOOR	X	

SOLD TO: Delta Process - New Orleans, LA  
TAG : Trailer Land 5 H.P.

SHIP TO: Delta Process - Denham Springs, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 12/04/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1502 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						



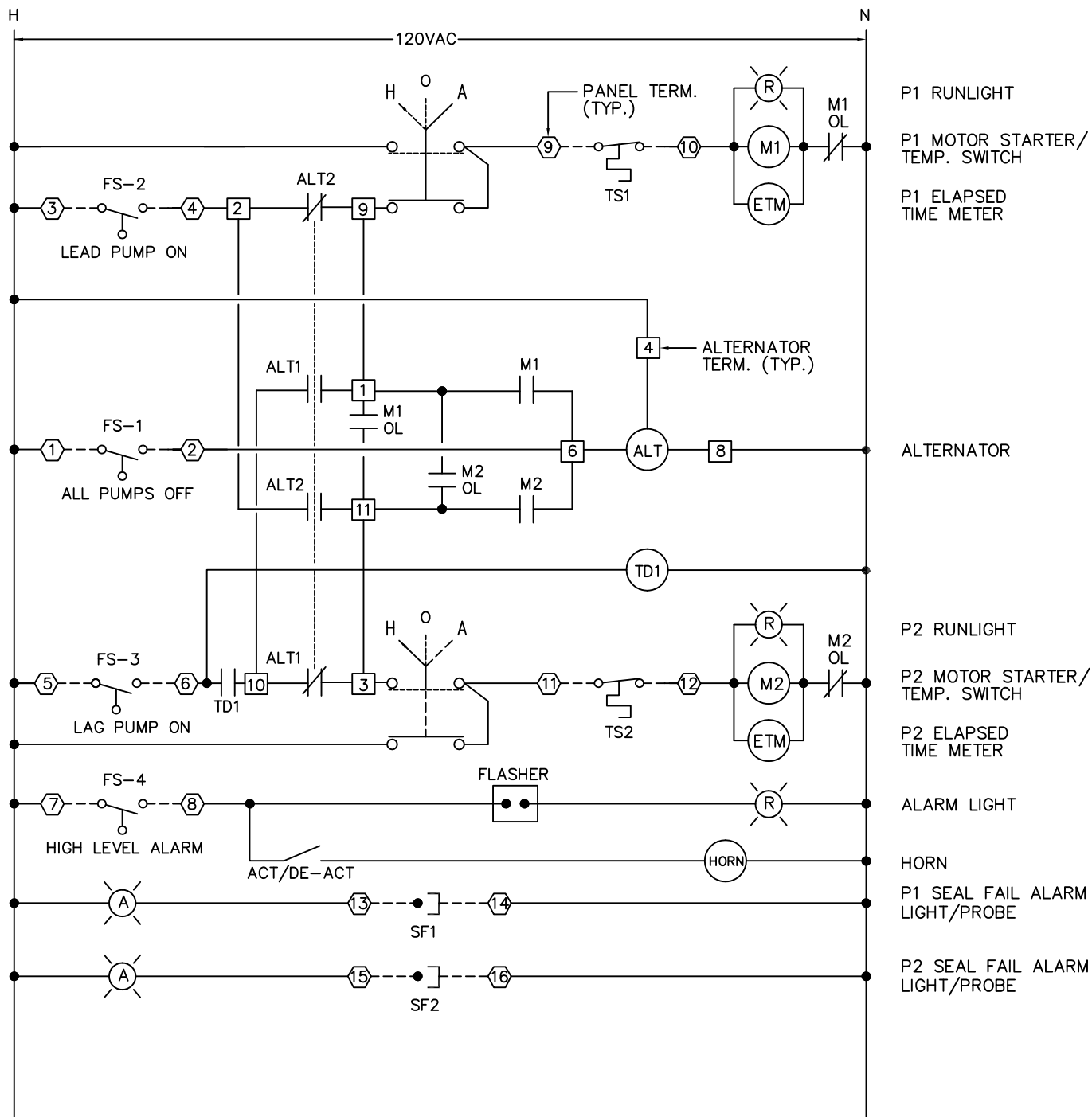
	Drawing Title							
	POWER DIAGRAM							
DATE 12/04/02		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
	Project Title	S/N	Sales Engineer C.C.	Application Engineer R.C.	BY	CTR	APPROVED	
	DUPLEX PUMP CONTROL PANEL						PURCHASE ORDER NUMBER	
							DRAWING NUMBER CP-1502	
							SHEET NUMBER	2

**COX**

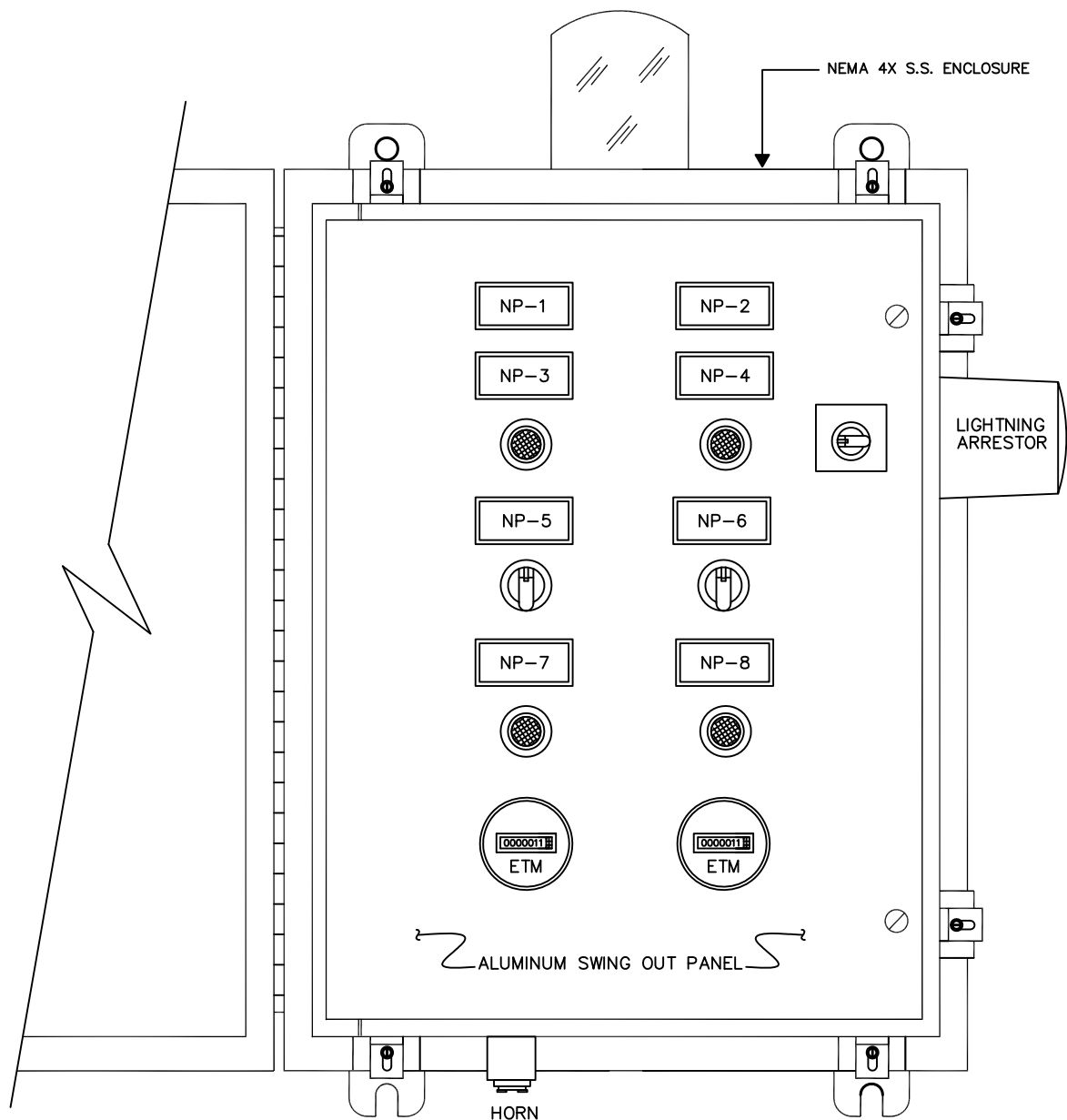
Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809

Ph. (225)756-3271  
Fax (225)756-1030



DATE 12/04/02	Drawing Title								
	CONTROL DIAGRAM								
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY	
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED			
	Project Title				BY	CTR	BY	DATE	PURCHASE ORDER NUMBER
	DUPLIX PUMP CONTROL PANEL		<div>COX</div> <div>Research and Technology, Inc.</div>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1502		SHEET NUMBER 3



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	SEAL FAIL
NP-8	SEAL FAIL

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

DATE 12/04/02	Drawing Title							
	ENCLOSURE							
Project Title		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
		S/N		Sales Engineer		Application Engineer		DATE
				C.C.		R.C.		BY
						DRAWN		APPROVED
						BY		DATE
								PURCHASE ORDER NUMBER
								DRAWING NUMBER
								CP-1502
								SHEET NUMBER
								4

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S242010N4X	ENCLOSURE
1a	1	EBE	A2420P	BACKPLATE
1b	1	EBE	A2420SP	DEAD FRONT
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	ABB	A50N2-30-11-84	MOTOR STARTER
4	2	ABB	TA75DU52	O.L. RELAY (36-52A)
5	2	SQUARE D	QOU280	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	1	C-H	CHSA01	LIGHTNING ARRESTER
11	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
12	2	ACI	JR22FY	AMBER PILOT LIGHT
13	1	INGRAM	PW120A	HORN
14	1	ABB	OHB2AJ1	THRU DOOR DISCONNECT
15	1	ABB	OXS5X180	SHAFT
16	1	SSAC	FS126	FLASHER
17	1	DAYTON	6A854	TD RELAY
18				
19				
20				
21				
22				
23				
24				

	Drawing Title							
	<h3 style="margin: 0;">BILL OF MATERIALS</h3>							
DATE 12/04/02		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;"> <h2 style="margin: 0;">COX</h2> <p style="margin: 0;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1502 SHEET NUMBER 5	
	DUPLEX PUMP CONTROL PANEL							