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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
JABAR-OAK GROVE

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

VOLTAGE	480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	30	
FLA	40	
TYPE OF PUMP	SP	(Self-Priming, Submersible)
MANUFACTURER	G	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	P.S.	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Bubbler	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

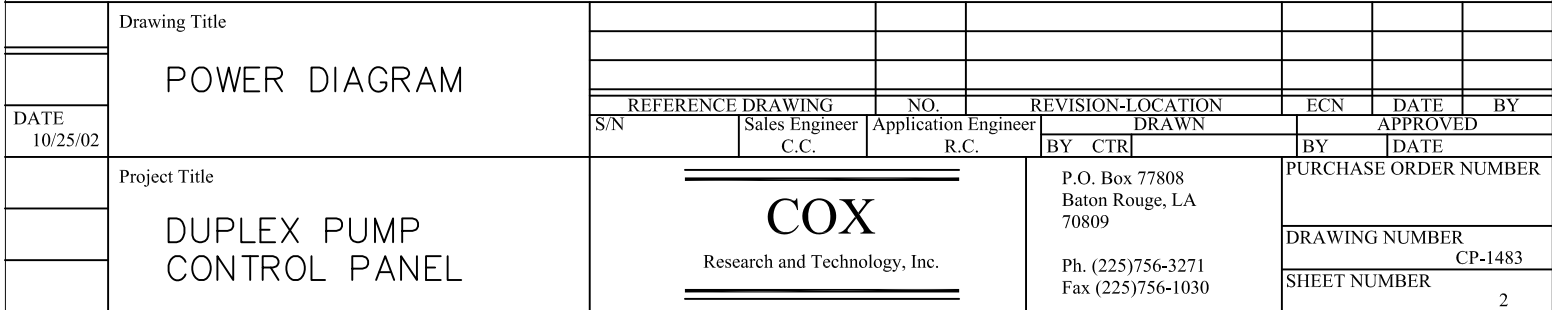
OPTIONS:

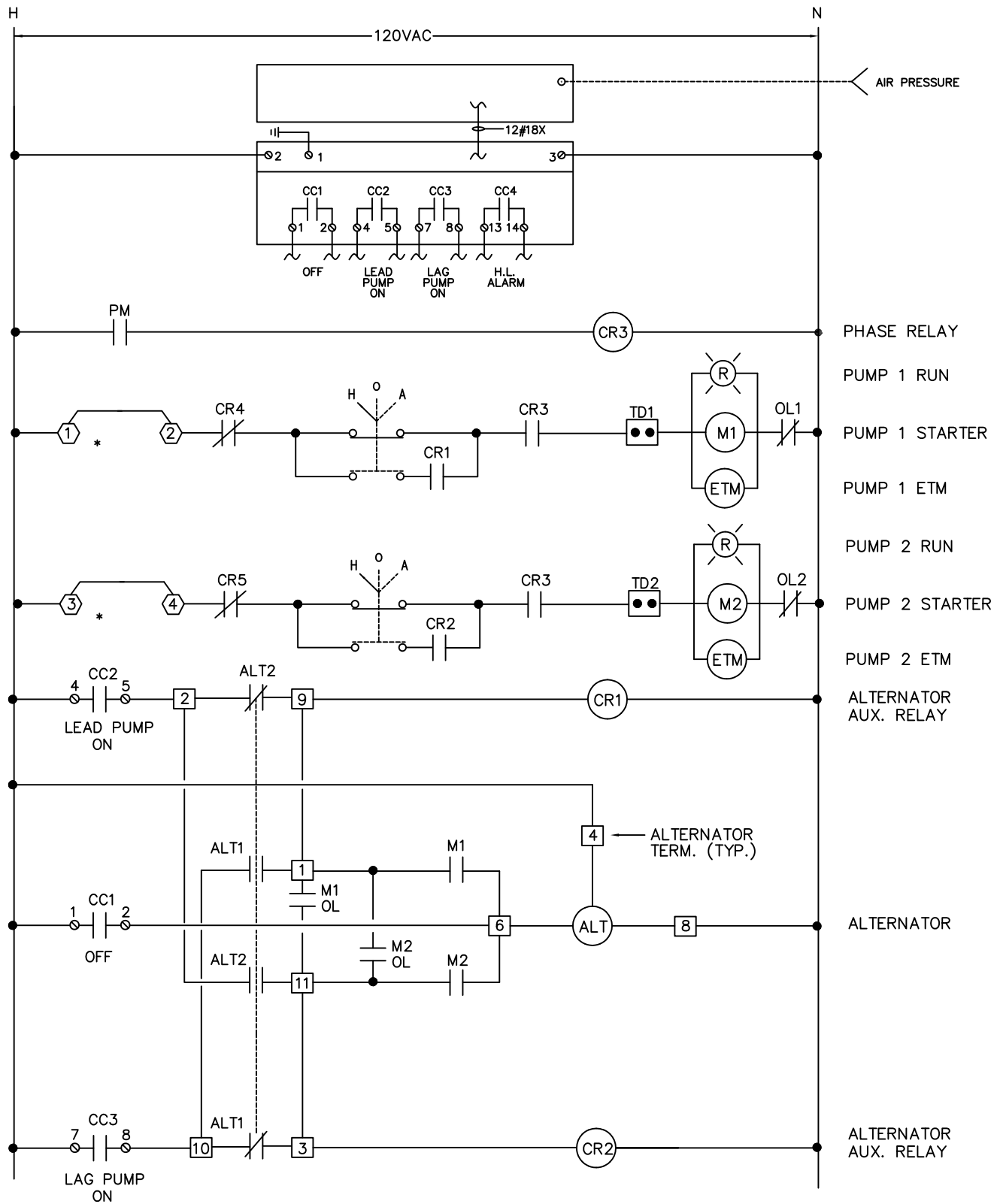
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD		
LIGHT REMOTE MTD	X	
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER	X	
PHASE MONITOR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

SOLD TO: Delta Process - Ruston, LA  
TAG : Jabar-Oak Grove

SHIP TO: Delta Process - Ruston

	Drawing Title						
	PANEL DESCRIPTION						
DATE 10/25/02		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-1483 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						

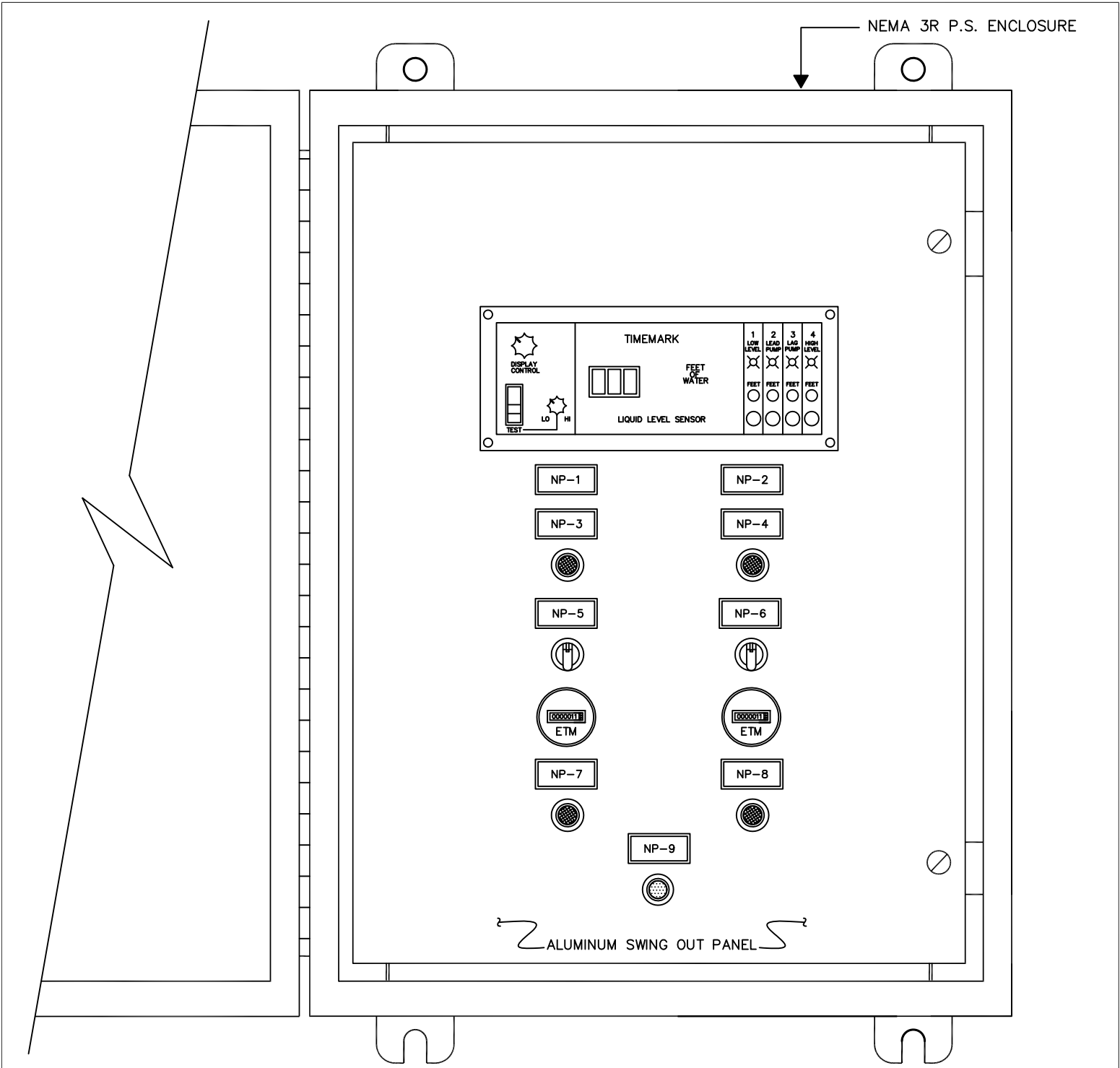




\* REMOVE JUMPER & INSTALL  
LOCKOUT DEVICES IF REQUIRED

Drawing Title	CONTROL DIAGRAM		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE	10/25/02	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
			C.C.	R.C.	BY CTR	BY	DATE	
Project Title	DUPLIX PUMP CONTROL PANEL		COX			PURCHASE ORDER NUMBER		
			Research and Technology, Inc.			DRAWING NUMBER		
						CP-1483		
						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	HIGH TEMP
NP-8	HIGH TEMP
NP-9	HIGH TEMP/RESET

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

DATE 10/25/02	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
	Project Title							DATE
								PURCHASE ORDER NUMBER
								DRAWING NUMBER
								CP-1483
	Project Title							SHEET NUMBER

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	362412REPL	ENCLOSURE
1a	1	EBE	A3624P	BACKPLATE
1b	1	EBE	A3624SP	DEAD FRONT
2	2	ABB	A 110-30-11-84	STARTER
3	2	ABB	TA 80 DU 42	O.L. (29-42A)
4	2	ABB	S3N080TW	CIRCUIT BREAKER
5	1	SSAC	PLMU11	PHASE MONITOR
6	1	SQUARE D	QOU115	CB3
7	1	TIMEMARK	404	CONTROLLER
8	1	TIMEMARK	448	RELAY BOARD
9	1	TIMEMARK	261DT120	ALTERNATOR
10	2	GRASSLIN	UWZ52E	ETM
11	2	P&B	KUL-11A15S-120	CR4,5,
12	3	OMRON	2SAC120	CR1,2,3
13	2	INGRAM	HR10WB3	COMPRESSOR
14	2	DAYTON	2A561	T.D. RELAYS (.5-10S)
15	1	APPLETON	REA1075/VGU-1/VGL-1RE	LIGHT-EXTERNAL
16	2	ACI	JR22FR	RED LIGHT
17	2	ACI	JR22P3M20B	HOA
18	1	ACI	JR22AN11B	P.B.
19	2	ACI	JR22FA	AMBER LIGHT
20	1	SQUARE D	9070TF250D1	250VA TRANSFORMER
21	2	INGRAM	HR10WB3 MTBKT	COMPRESSOR BRACKET
22	1	F-S	67633	DIST. BLOCK
23				
24				

	Drawing Title						
	<h3 style="margin: 0;">BILL OF MATERIALS</h3>						
DATE 10/25/02		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED	
	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; font-size: small;">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 <div style="text-align: right;">CP-1483</div> SHEET NUMBER <div style="text-align: right;">6</div>
	DUPLEX PUMP CONTROL PANEL						