
COX

Research and Technology, Inc.

CADDO SEWER DISTRICT #2
DUPLEX PUMP
CONTROL PANEL
HARBOR STREET

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

CP-1733

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	5	
FLA	32	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		

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

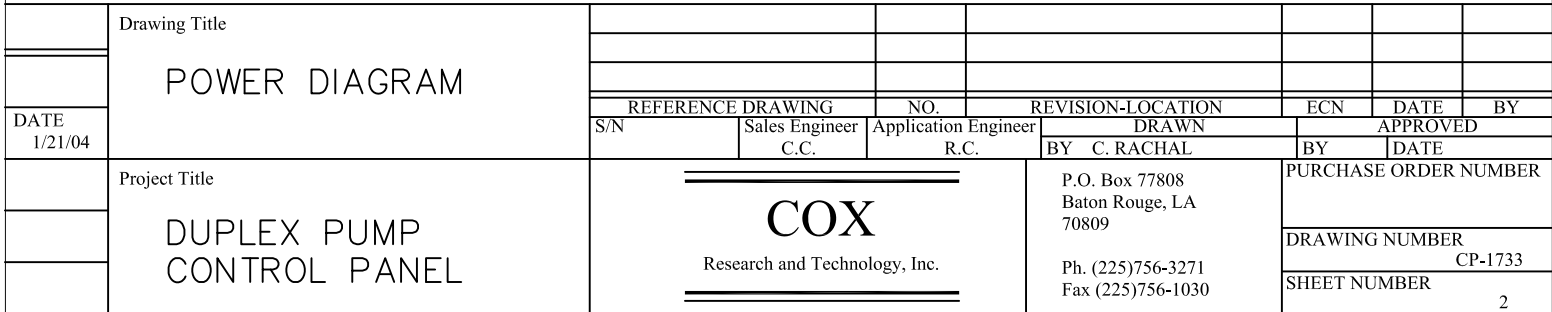
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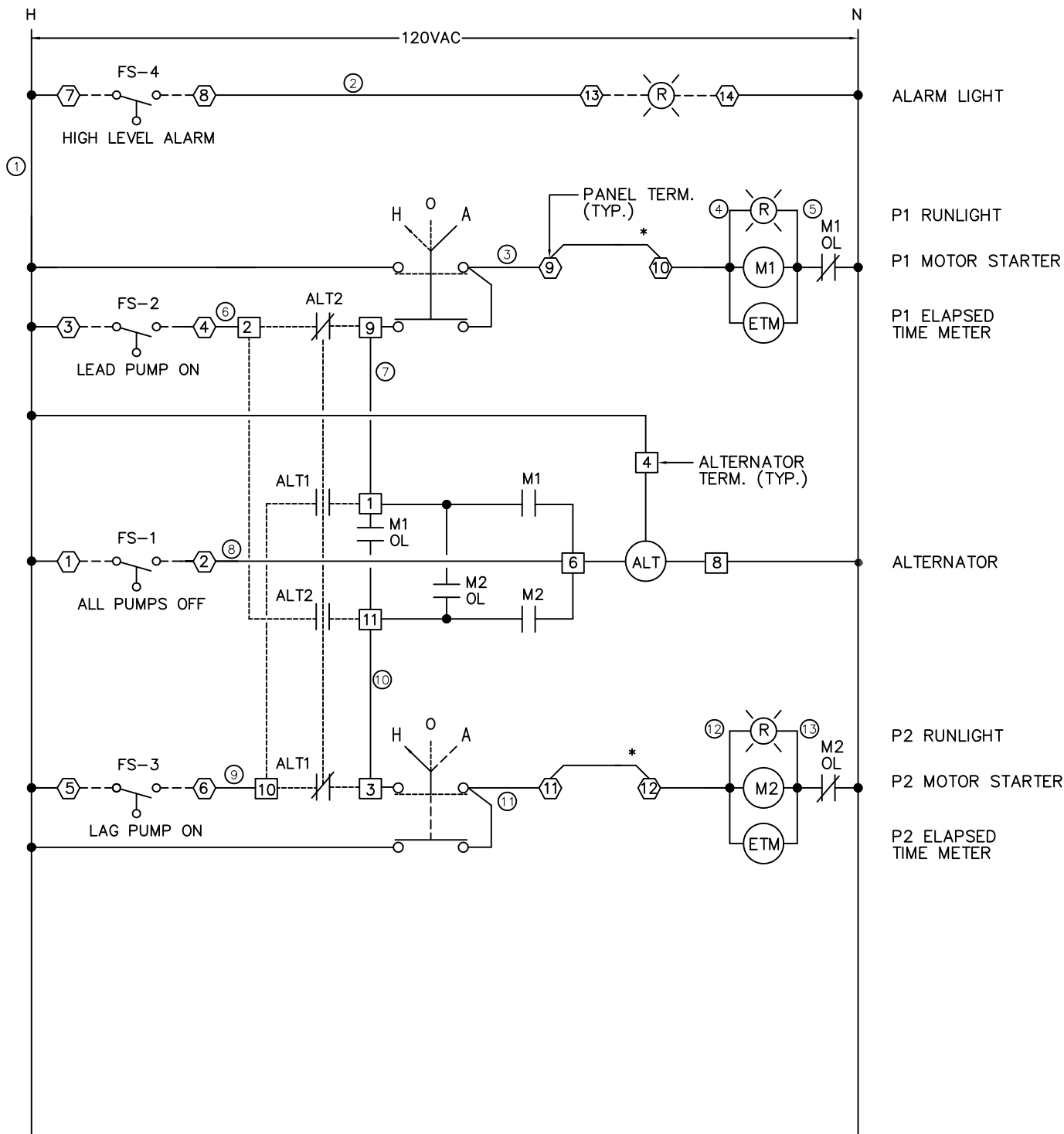
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD		
LIGHT REMOTE MTD	X	
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR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

SOLD TO: Delta Process - Bossier City, LA
TAG : CADDO SEWER DISTRICT #2
HARBOR STREET

SHIP TO: Delta Process - Shreveport, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 1/21/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	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-1733 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						



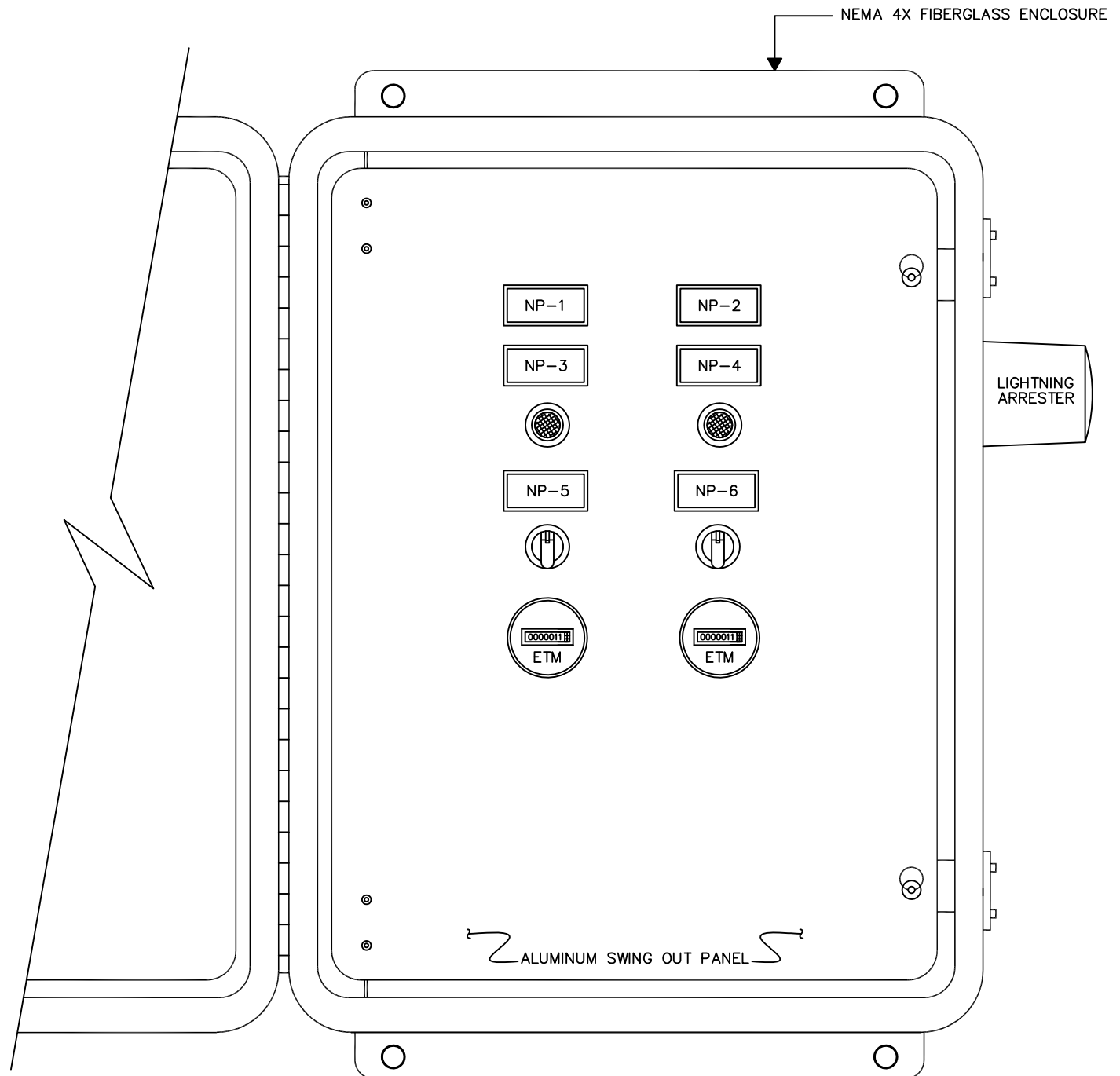


* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title						
	CONTROL DIAGRAM						
DATE 1/21/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE BY
		<div> <div>COX</div> <div>Research and Technology, Inc.</div> </div>			<div> <div>P.O. Box 77808 Baton Rouge, LA 70809</div> <div>Ph. (225)756-3271 Fax (225)756-1030</div> </div>		<div>PURCHASE ORDER NUMBER</div> <div>DRAWING NUMBER CP-1733</div> <div>SHEET NUMBER 3</div>

Project Title

DUPLEX PUMP
CONTROL PANEL



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

NOTE:

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

DATE 1/21/04	Drawing Title								
	ENCLOSURE								
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
	DUPLX PUMP CONTROL PANEL		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1733		
							SHEET NUMBER 4		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1816HWPLDF	ENCLOSURE
1a	1	VYNCKIER	MP1816AL	BACKPLATE
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	ABB	A40-30-10-84	MOTOR STARTER
4	2	ABB	TA42DU42	O.L. RELAY (29-42A)
5	2	SQUARE D	QOU270	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	TOMAR	490S-120-R	REMOTE ALARM LIGHT
10	1	CH	CHSA01	LIGHTNING ARRESTER
11	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
12				
13				
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22				
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	Drawing Title								
	BILL OF MATERIALS								
DATE 1/21/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY		
	Project Title				BY C. RACHAL		BY	DATE	
	DUPLX PUMP CONTROL PANEL	<div><div></div><div>COX</div><div>Research and Technology, Inc.</div><div></div></div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
					Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1733		
							SHEET NUMBER 5		