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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL

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

VOLTAGE	120 V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	1/2	
FLA	9.5A	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Aero Motor	
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	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

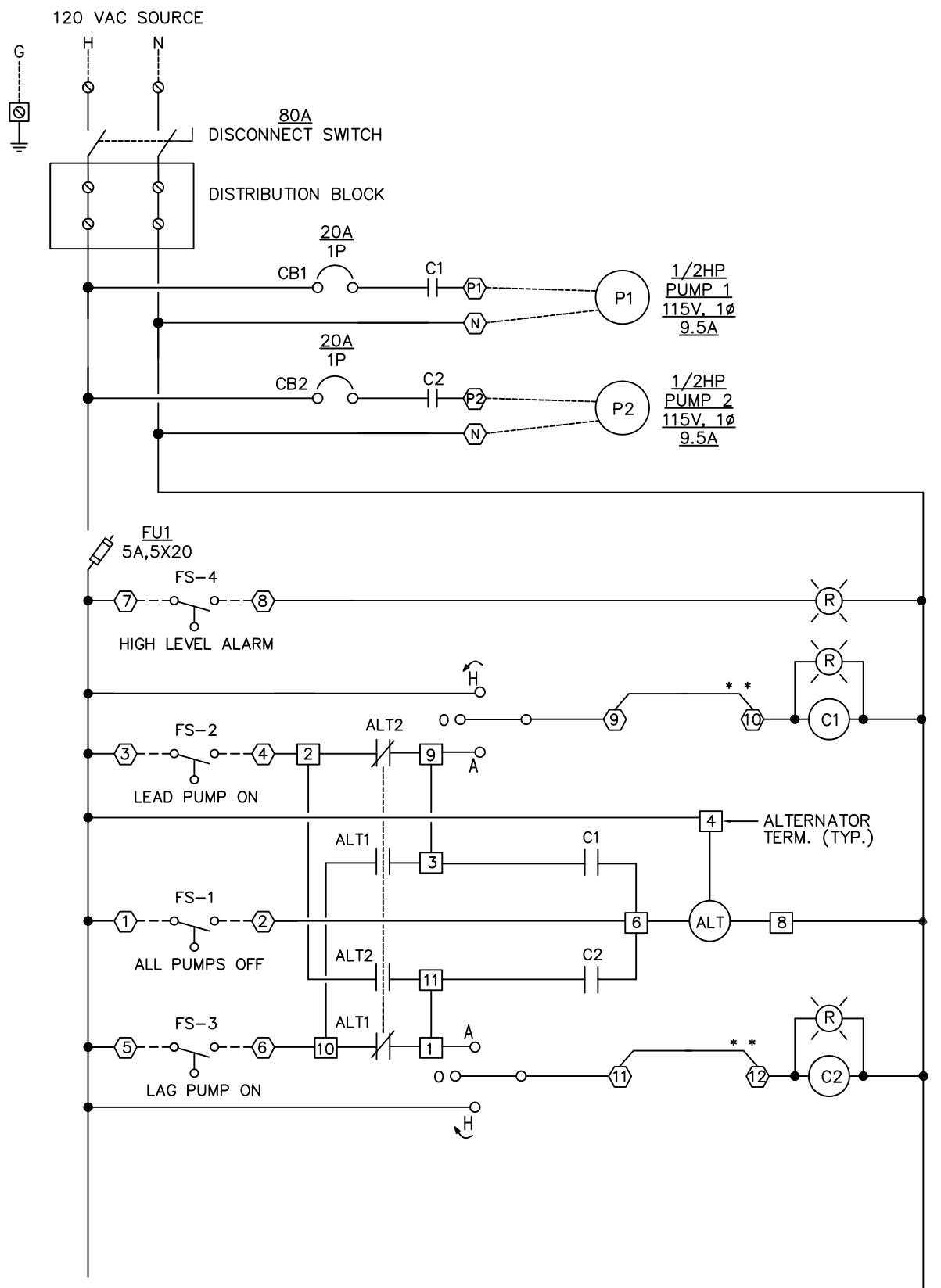
OPTIONS:

SEAL FAIL LIGHTS	_____	(Submersible Only)
SEAL FAIL RELAYS	_____	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	_____	(Submersible Only)
HT PUMP SHUTDOWN	_____	(Self-Primer, Submersible)
ALARM HORN	_____	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD	_____	
LIGHT FLASHER	_____	
LIGHTNING ARRESTER	_____	
ELAPSED TIME METER	_____	
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 - Denham Springs, LA  
TAG : Chester Moore Methodist Church

SHIP TO: Delta Process - Denham Springs, LA

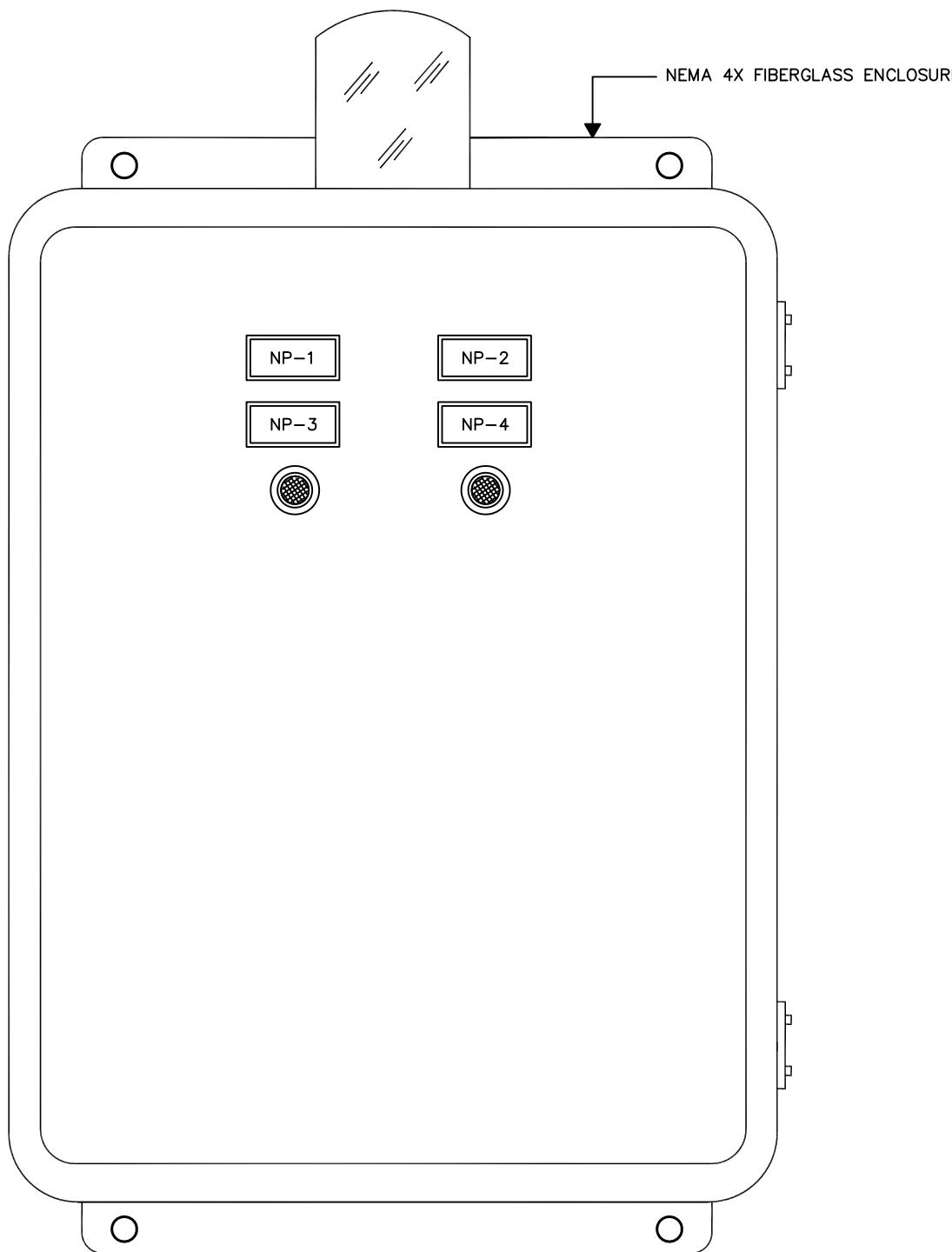
Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO. C.C.	REVISION-LOCATION		ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE
		S/N	Sales Engineer		Application Engineer	DRAWN BY		
DATE 8/31/04	Project Title  DUPLEX PUMP CONTROL PANEL	COX	Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1880			
					SHEET NUMBER 1			



\* \* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

\* DIVERSIFIED ALTERNATOR

	Drawing Title							
	POWER DIAGRAM							
DATE 8/31/04	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer	Application Engineer	R.C.	DRAWN	BY	APPROVED	BY DATE
	Project Title		<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER CP-1880			
			SHEET NUMBER 2					



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN

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

	Drawing Title						
	<b>ENCLOSURE</b>						
DATE 8/31/04	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE DATE	
	Project Title		<b>COX</b> Research and Technology, Inc.		PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER CP-1880		
					SHEET NUMBER 3		

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1412HWPL	ENCLOSURE
1a	1	VYNCKIER	MP1412A	BACKPLATE
2	2	MARATHON	1321580	DISTRIBUTION BLOCK
3	2	SQUARE D	QOU120	CB1, CB2
4	1	DIVERSIFIED	ARB-120-ADA	ALTERNATOR
5	2	CERUS	CMC-30P	CONTACTOR
6	1	INGRAM	MX-15	ALARM LIGHT
7	2	ACI	JR22FR	RUN LIGHTS
8	1	ACI	OT63E3	DISCONNECT SWITCH
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	Drawing Title  <b>BILL OF MATERIALS</b>					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE	DATE BY
DATE 8/31/04	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>					
		<b>COX</b> 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-1880 SHEET NUMBER	4