
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL GAINSVILLE

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

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>9/1.3</u>	
FLA	<u>11/2.6A</u>	
TYPE OF PUMP	<u>Submersible</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>LANDIA/ABS</u>	
CATALOG NUMBER		
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Fiberglass</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Floats</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE		

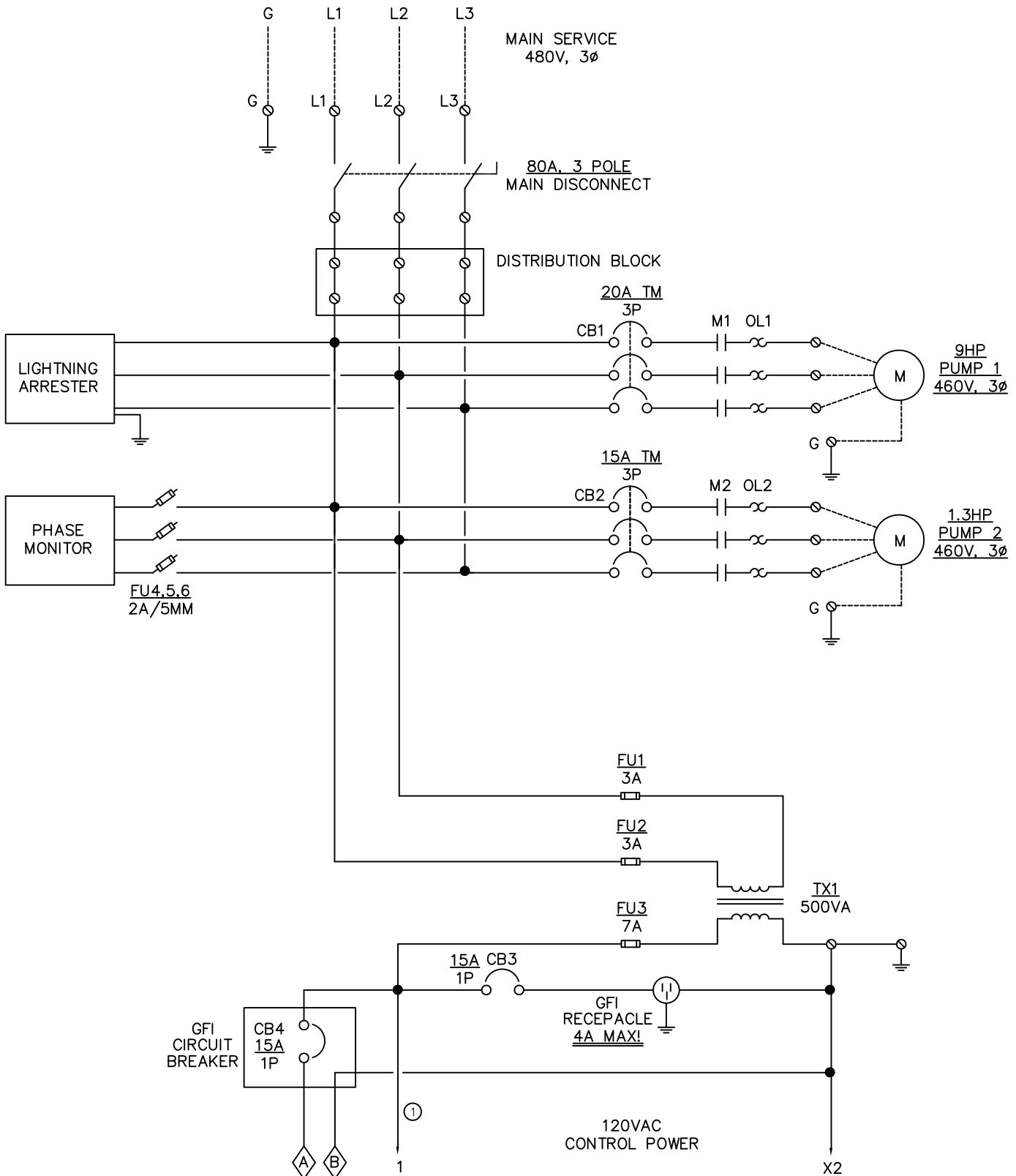
OPTIONS:

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

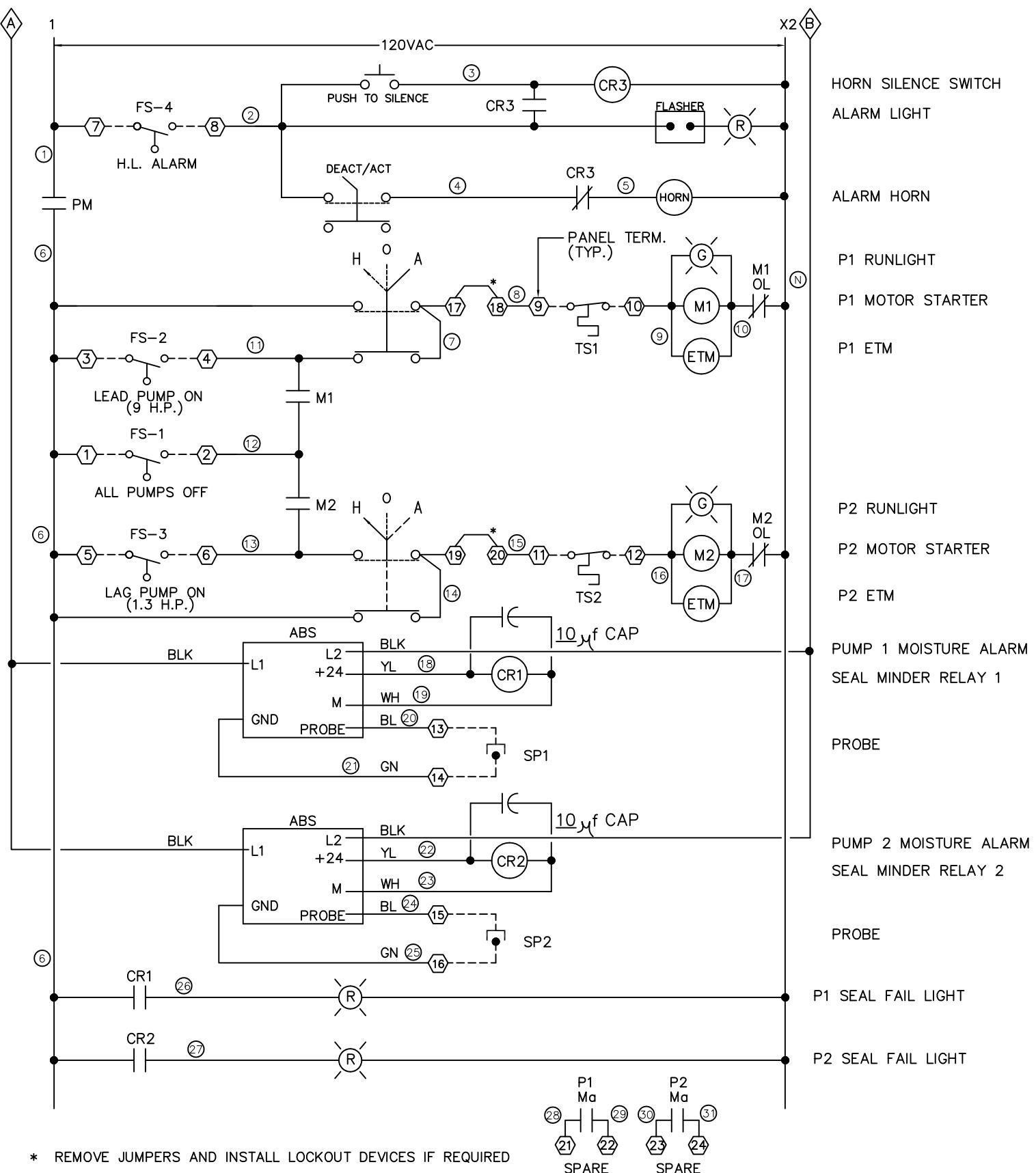
SOLD TO: CF ENGINEERED EQUIPMENT - DALLAS, TX
TAG : GAINSVILLE

SHIP TO: CF ENGINEERED EQUIPMENT - DALLAS, TX

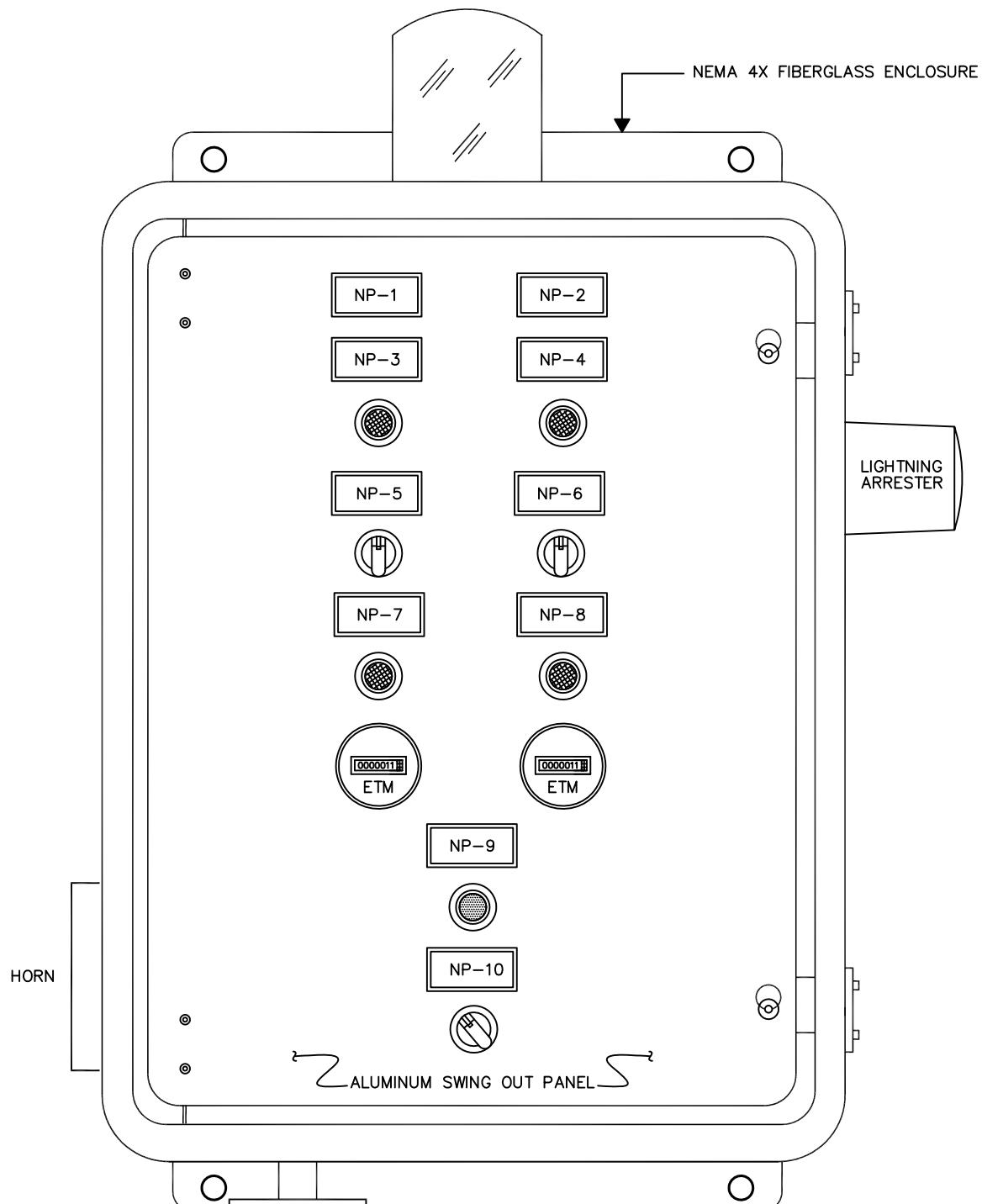
	Drawing Title						
	PANEL DESCRIPTION						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 6/05/03		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
			C.C.	R.C.	BY C. RACHAL	BY	DATE
	Project Title	<u>COX</u> Research and Technology, Inc.			PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER CP-1850		
					SHEET NUMBER 1		



	Drawing Title POWER DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE
DATE 6/05/03		Application Engineer R.C.			
	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-1850 SHEET NUMBER 2	



	Drawing Title							
	CONTROL DIAGRAM							
DATE 6/05/03	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.		DRAWN BY C. RACHAL		APPROVED BY	DATE
Project Title		COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1850		
				SHEET NUMBER 3				



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

NAMEPLATE SCHEDULE

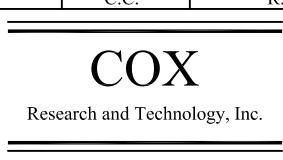
NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	MOISTURE
NP-8	MOISTURE
NP-9	PUSH TO SILENCE
NP-10	HORN/ACTIVATE-DEACTIVATE

	Drawing Title					
	ENCLOSURE					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 6/05/03	S/N	Sales Engineer	Application Engineer	DRAWN BY C. RACHAL	APPROVED BY	DATE
	C.C.		R.C.			
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/>			PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			DRAWING NUMBER	CP-1850
					SHEET NUMBER	5

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A16-30-10-84	MTR STR
4	1	ABB	TA25DU14	O.L. RELAY 1 (10-14A)
5	1	ABB	TA25DU3.1	O.L. RELAY 2 (2.2-3.1A)
6	1	ABB	S1N020TL	CB1
7	1	ABB	S1N015TL	CB2
8	1	SQUARE D	QOU115	CB3
9	2	ACI	JR22FR	RED PILOT LIGHT
10	2	ACI	JR22FG	GREEN PILOT LIGHT
11	2	ACI	JR22P3M20B	HOA SWITCH
12	1	ABB	T4500PSF1	TRANSFORMER
13	1	AC/DC	BL5-R-120	ALARM LIGHT
14	2	ABS	61240170	SEAL MINDER RELAY
15	1	EDWARDS	870P-N5	HORN
16	2	OMRON	G2R2SDC24	CR1,2
17	1	OMRON	G2R2SAC120	CR3
18	1	SSAC	PLMU11	PHASE MONITOR
19	1	SSAC	FS126	FLASHER
20	1	ACI	JR22AN11B	PUSH BUTTON
21	1	MARATHON	1323580	DISTRIBUTION BLOCK
22	2	GRASSLIN	UWZ-52E	ETM
23	1	CUTLER HAMMER	QCGF1015	GFI CIRCUIT BREAKER
24	1	DELTA	LA603	LIGHTNING ARRESTER
25	1	STOCK		GFI RECEPTACLE
26	2	ABB	CAL5-11	AUXILIARY CONTACTS
27	1	ACI	JR22P2M11B	2 POSITION SWITCH

▲ SUPPLIED BY CFEE

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 6/05/03			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
				C.C.	R.C.	BY C. RACHAL	BY	DATE	
	Project Title		 COX <small>Research and Technology, Inc.</small>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030			
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