
COX

Research and Technology, Inc.

BARKSDALE AIRFORCE BASE
DUPLEX PUMP
CONTROL PANEL
NCO CLUB LIFT STATION

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

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	2	
FLA	15	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	BARNES	
CATALOG NUMBER	SGVF2022L-MS	
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	YES	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

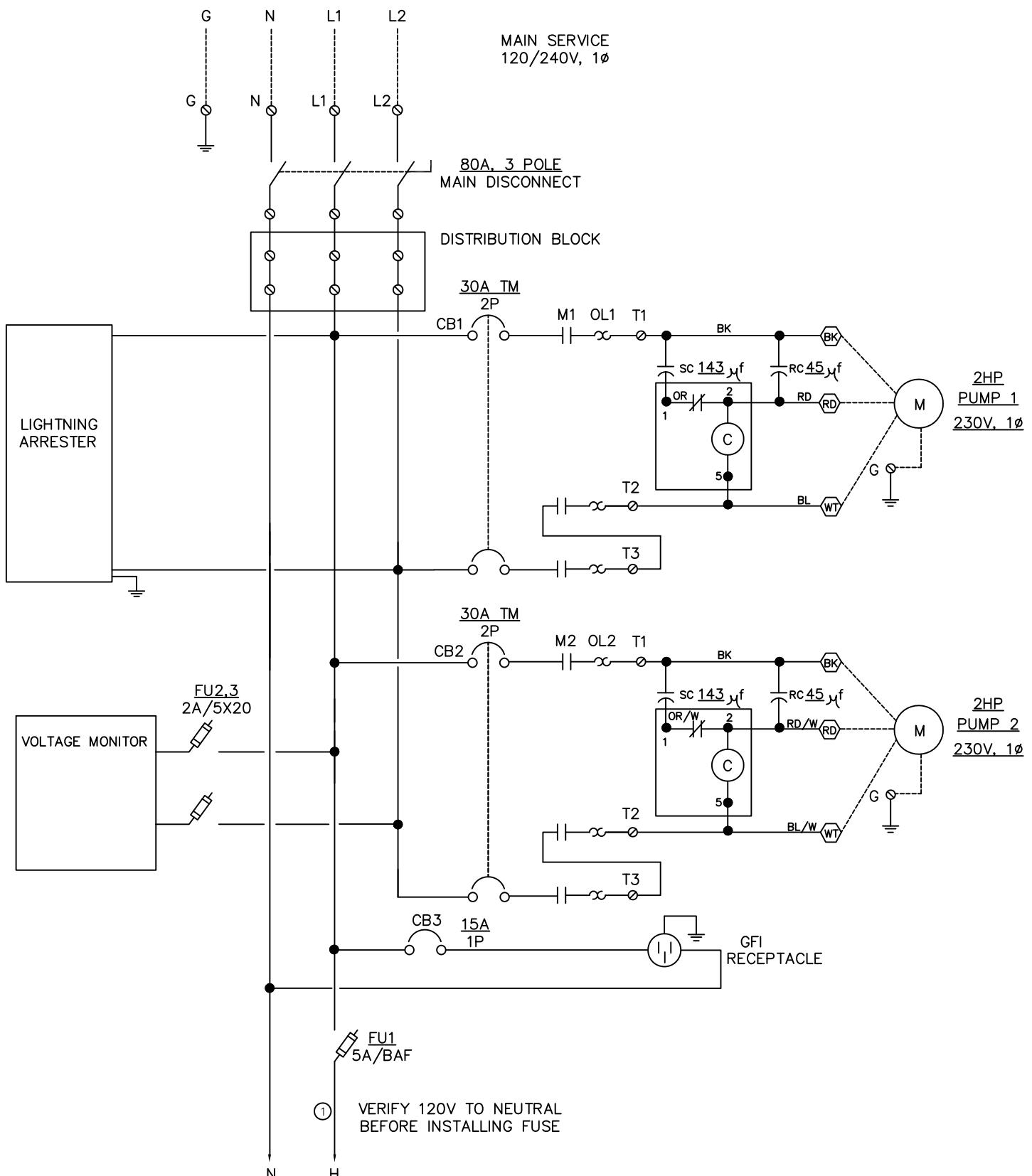
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECPT.	X	
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 : BARKSDALE AIR FORCE BASE
NCO CLUB LIFT STATION

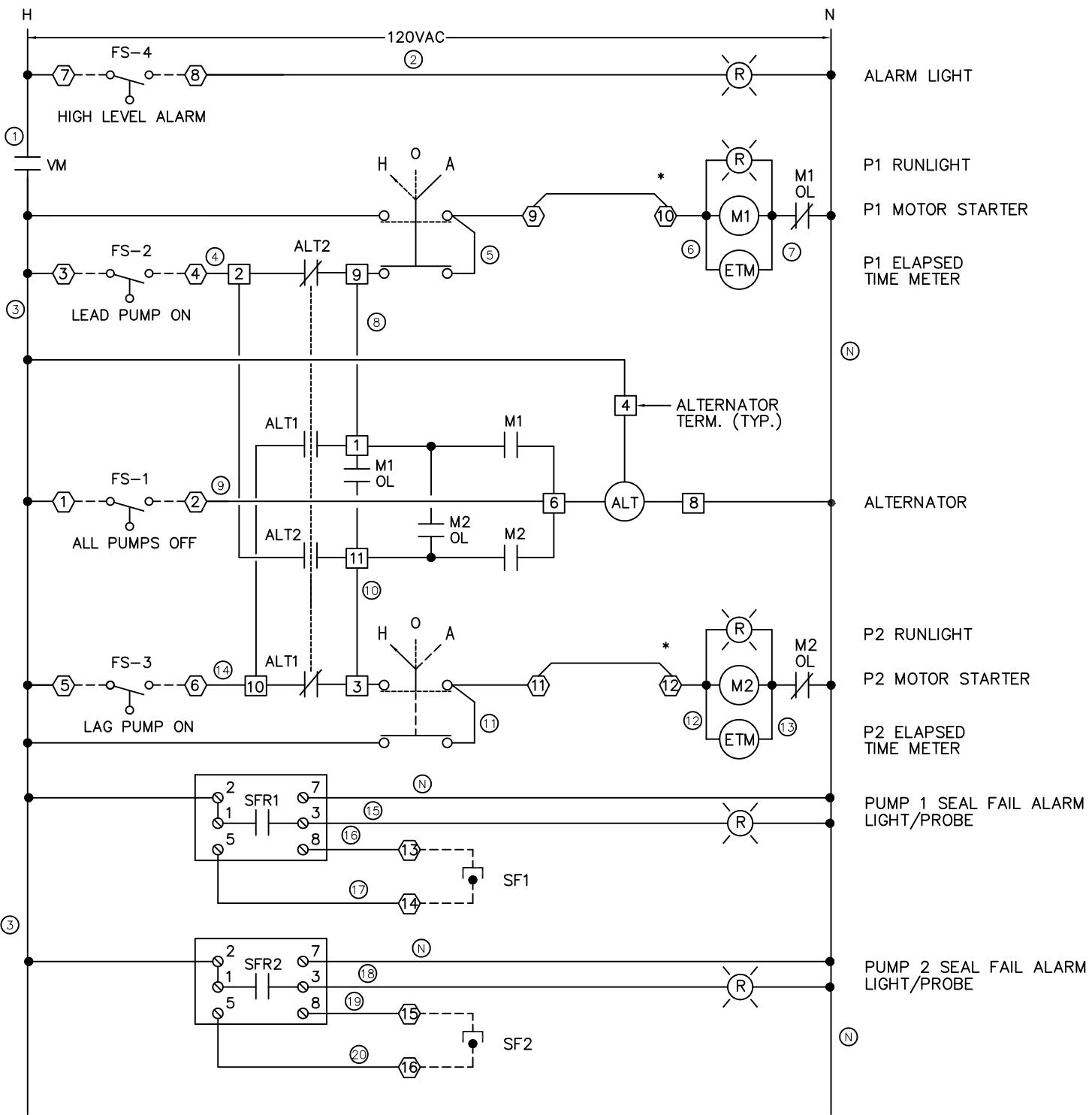
SHIP TO: Delta Process - Ruston, LA

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	BY C. RACHAL	BY	APPROVED	DATE
DATE 9/07/04	Project Title DUPLEX PUMP CONTROL PANEL				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
							DRAWING NUMBER	CP-1892	
							SHEET NUMBER	1	

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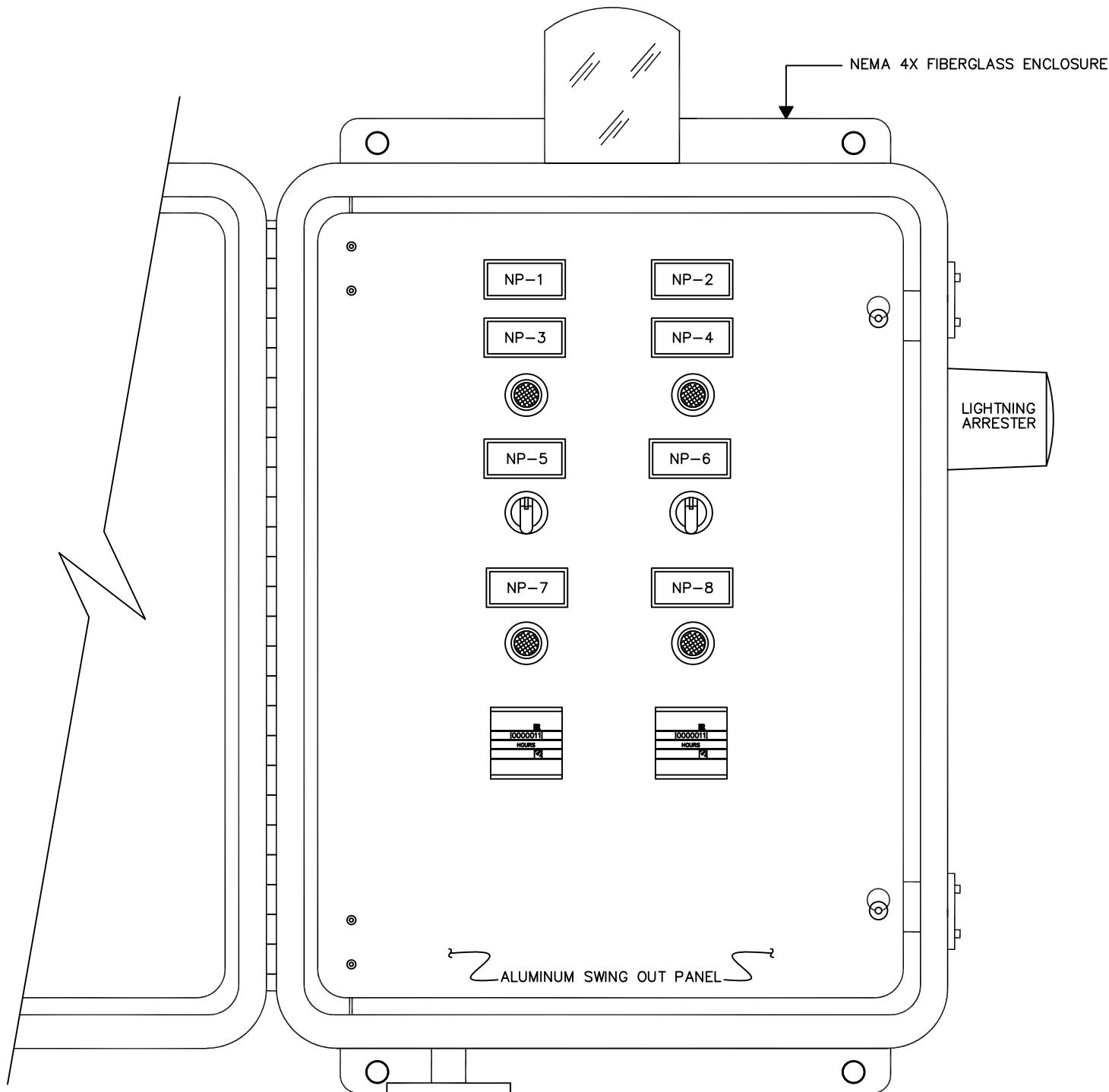


	Drawing Title POWER DIAGRAM			
DATE 9/07/04	REFERENCE DRAWING S/N Sales Engineer NO. C.C. Application Engineer REVISION-LOCATION R.C. DRAWN BY C. RACHAL APPROVED BY DATE			
Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1892 SHEET NUMBER 2	



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title CONTROL DIAGRAM DATE 9/07/04					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <hr/> <hr/> 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-1892		
				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.

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

	Drawing Title ENCLOSURE DATE 9/07/04					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE BY DATE
			Application Engineer R.C.			
	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> <hr/>	COX Research and Technology, Inc. <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1892 SHEET NUMBER 4	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPL DF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU19	O.L. (13-19A)
5	2	SQUARE D	QOU230	CB1, CB2
6	1	SQUARE D	QOU115	CB3
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	4	ACI	JR22FR	RED PILOT LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	AC/DC	BL5-R-120	ALARM LIGHT
11	1	MARATHON	1323580	DISTRIBUTION BLOCK
12	2	REDINGTON	711-0190	ELAPSED TIME METER
13	2	SSAC	LLC54AA	SEAL FAIL RELAY
14	1	DELTA	LA302	LIGHTNING ARRESTER
15	1	STOCK		GFI
16	2	MALLORY	4X658	143mf CAPACITOR
17	2	GE	5X434	45mf CAPACITOR
18	2	GE	6X559	START RELAY
19	1	TIMEMARK	2681AC120	VOLTAGE MONITOR
20				
21				
22				
23				
24				
25				

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 9/07/04			S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
			C.C.		R.C.	BY C. RACHAL	BY	DATE	
	Project Title		COX		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1892 SHEET NUMBER 5				
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.						