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# COX

Research and Technology, Inc.

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## OLDE OAKS GOLF COURSE

DUPLEX PUMP  
CONTROL PANEL  
LIFT STATION #1  
HAL SUTTON DRIVE

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

CP-1837

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		

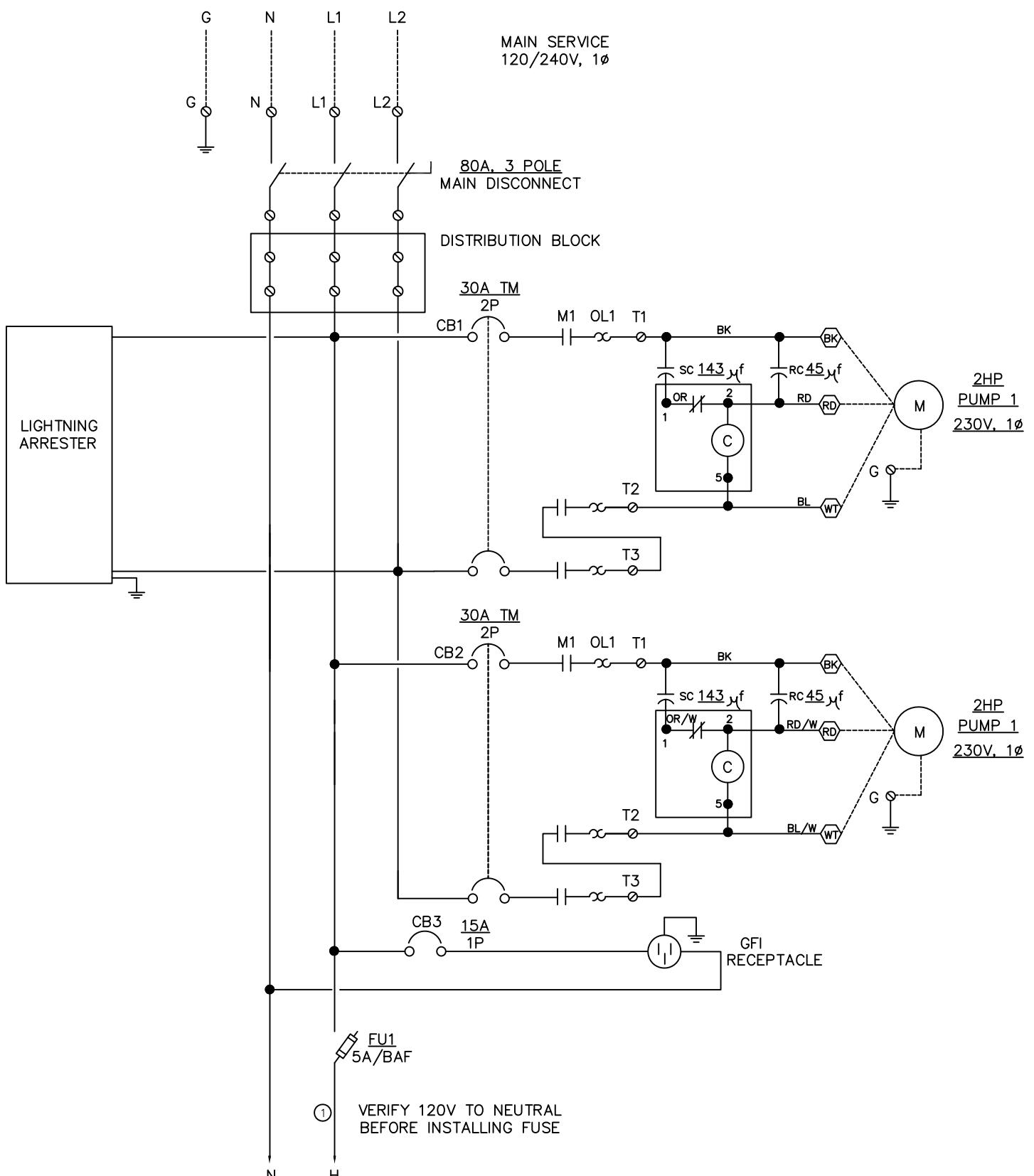
OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(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	X SQUARE D	
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

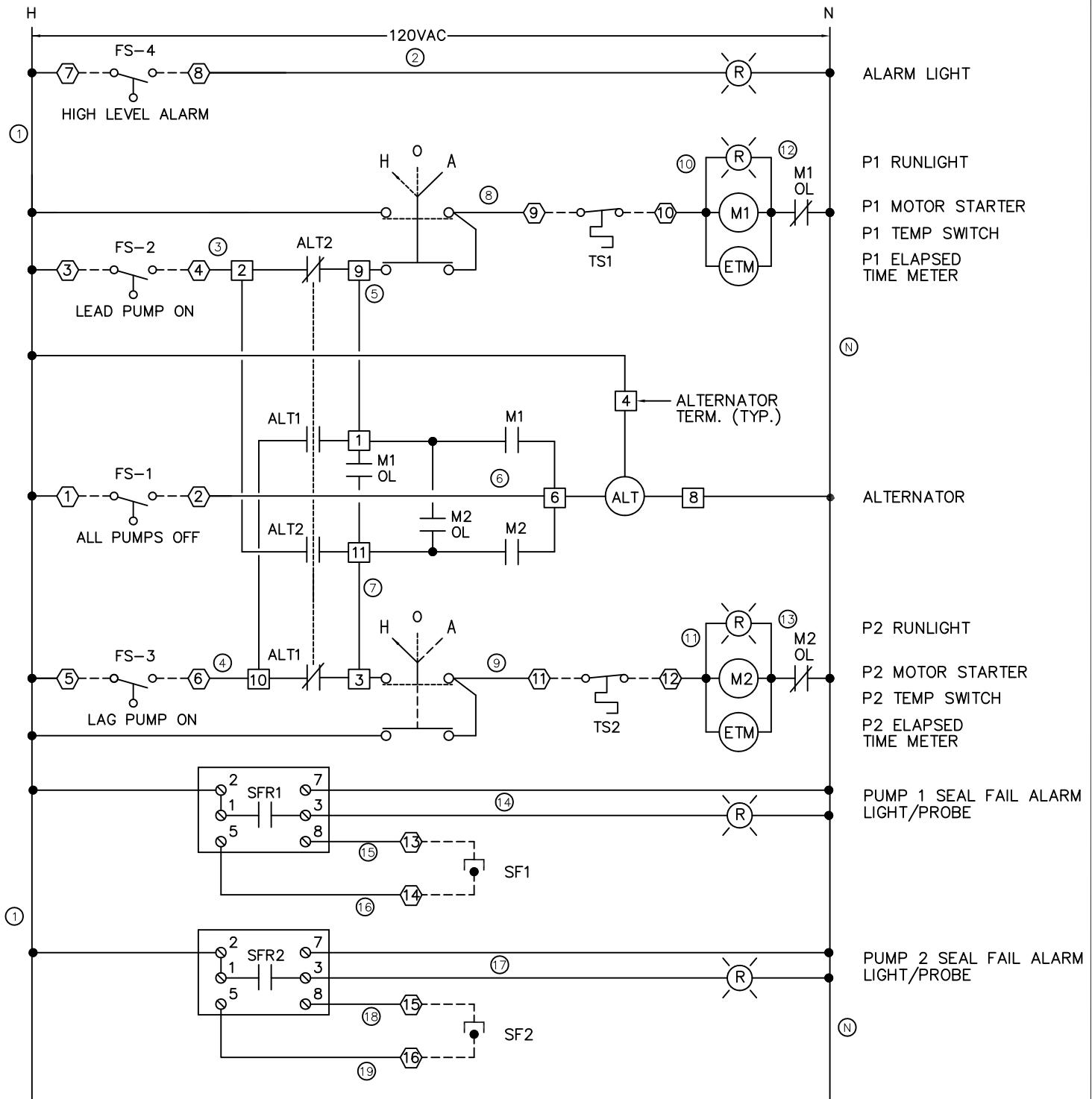
SOLD TO: Delta Process - Bossier City, LA  
TAG : OLDE OAKS GOLF COURSE

SHIP TO: Delta Process - Ruston, LA

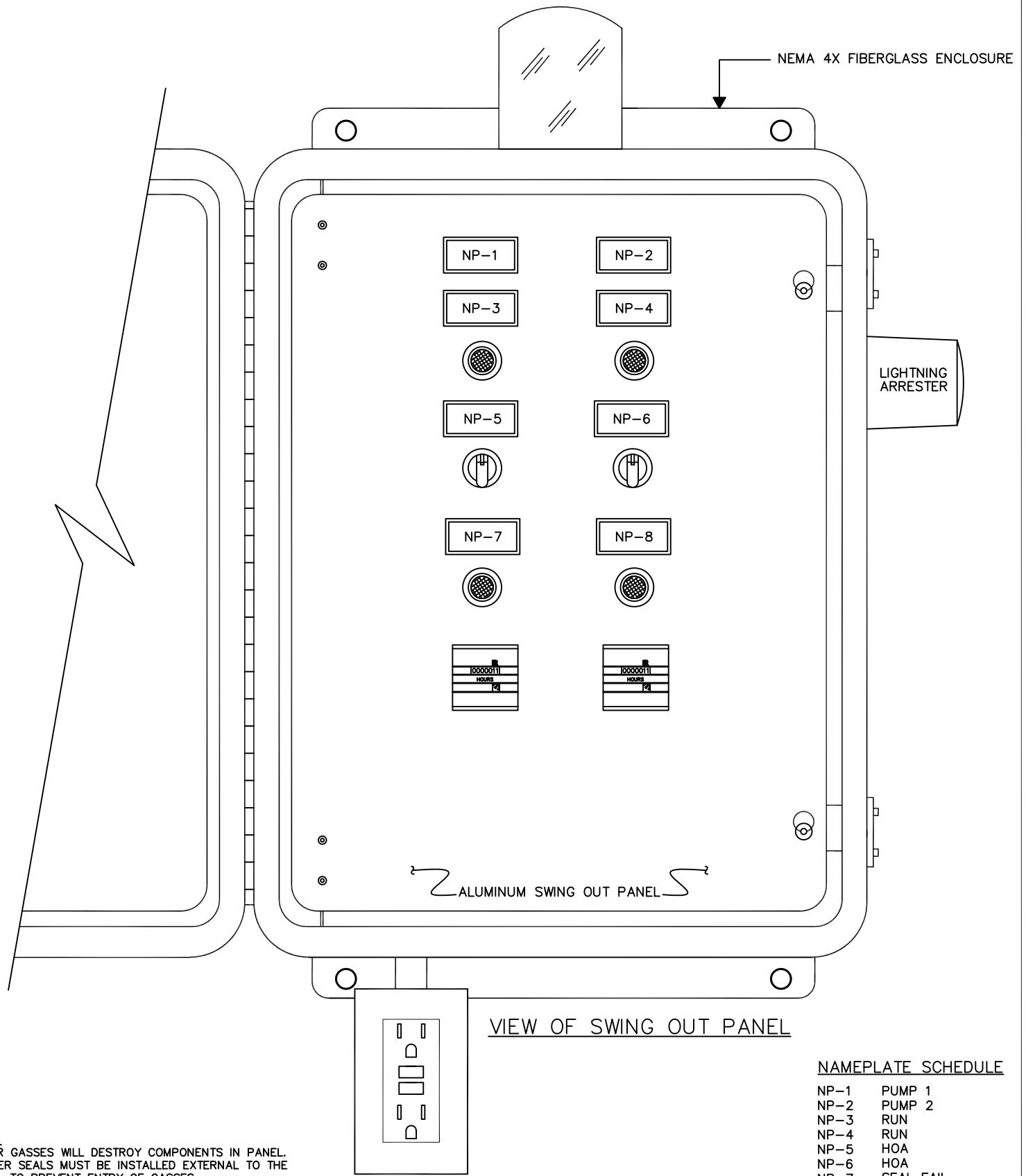
Drawing Title								
PANEL DESCRIPTION								
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		BY	DATE
		C.C.	R.C.	C. RACHAL		BY	DATE	
Project Title							PURCHASE ORDER NUMBER	
							DRAWING NUMBER	
							CP-1837	
DUPLEX PUMP							SHEET NUMBER	
CONTROL PANEL							1	



Drawing Title  POWER DIAGRAM								
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 6/28/04	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY	DATE	BY
Project Title  DUPLEX PUMP CONTROL PANEL	<b>COX</b> 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-1837			
					SHEET NUMBER 2			



	Drawing Title  <b>CONTROL DIAGRAM</b>  DATE 6/28/04						
	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	
	Project Title		<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>		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-1837	
						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	SEAL FAIL
NP-8	SEAL FAIL

Drawing Title	ENCLOSURE						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
C.C.		R.C.	BY C. RACHAL	BY	DATE		
Project Title	COX	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER				
DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.	Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER	CP-1837			
			SHEET NUMBER	4			

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM24200RL	ENCLOSURE
1a	1	ALLIED	P2420A	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	SQUARE D	8536SB02V02S	MOTOR STARTER
4	6	SQUARE D	B25	HEATER PACK
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	GE	4X658	143 $\mu$ F CAPACITOR
17	2	MALLORY	5X434	45 $\mu$ F CAPACITOR
18	2	GE	6X559	START RELAY
19				
20				
21				
22				
23				
24				
25				

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 6/28/04						
Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	COX		P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1837  SHEET NUMBER 5	