
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
LAKEVIEW ON LONGLAKE
UNIT #3

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

CP-1997

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	3	
FLA	28	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	BARNES	
CATALOG NUMBER		
CONTROL VOLTAGE	24V	(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		

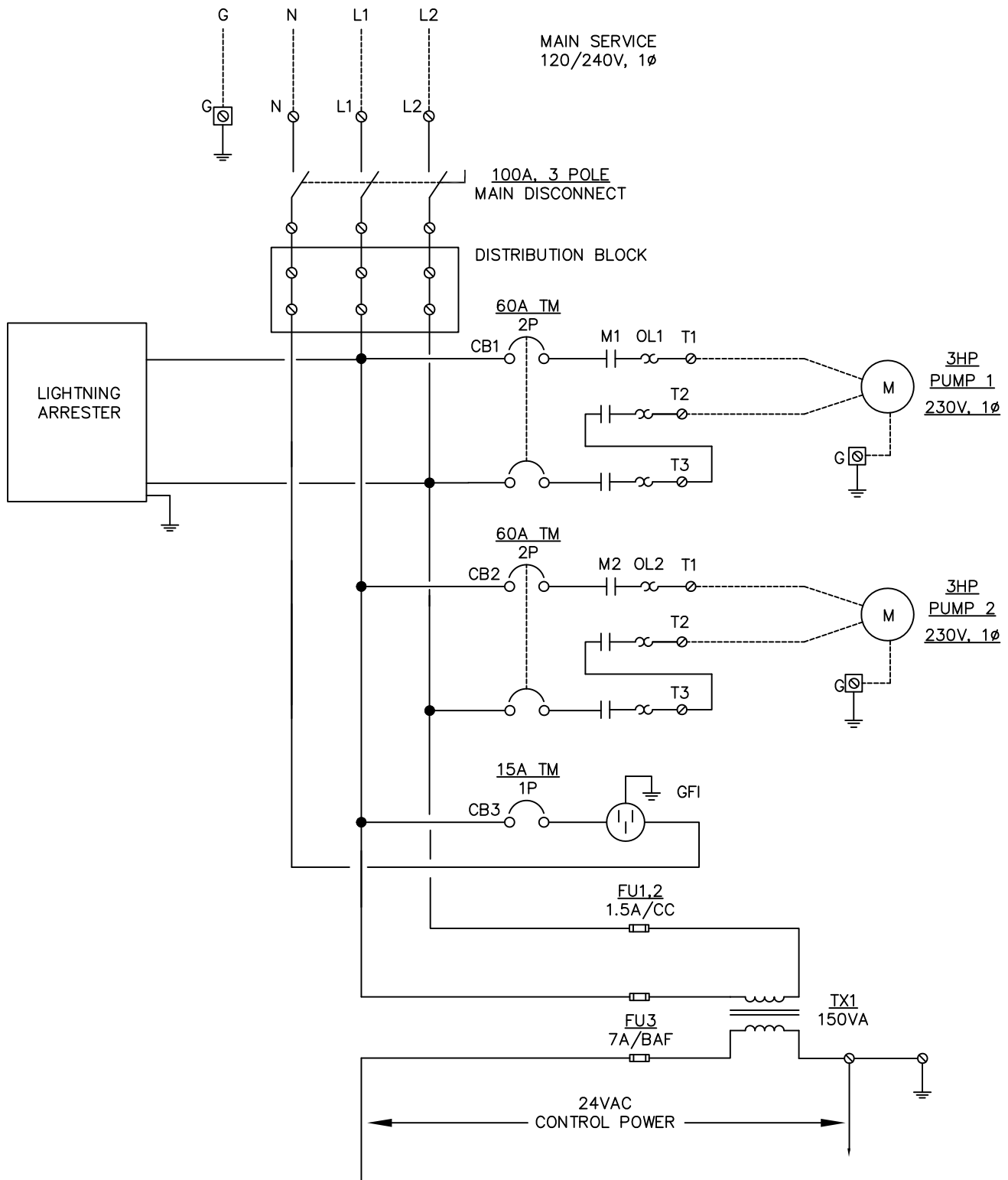
OPTIONS:

SEAL FAIL LIGHTS	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		
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 : LAKEVIEW ON LONG LAKE
UNIT #3

SHIP TO: Delta Process - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 2/09/05		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> 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)755-1030		DRAWING NUMBER CP-1997
					SHEET NUMBER 1		



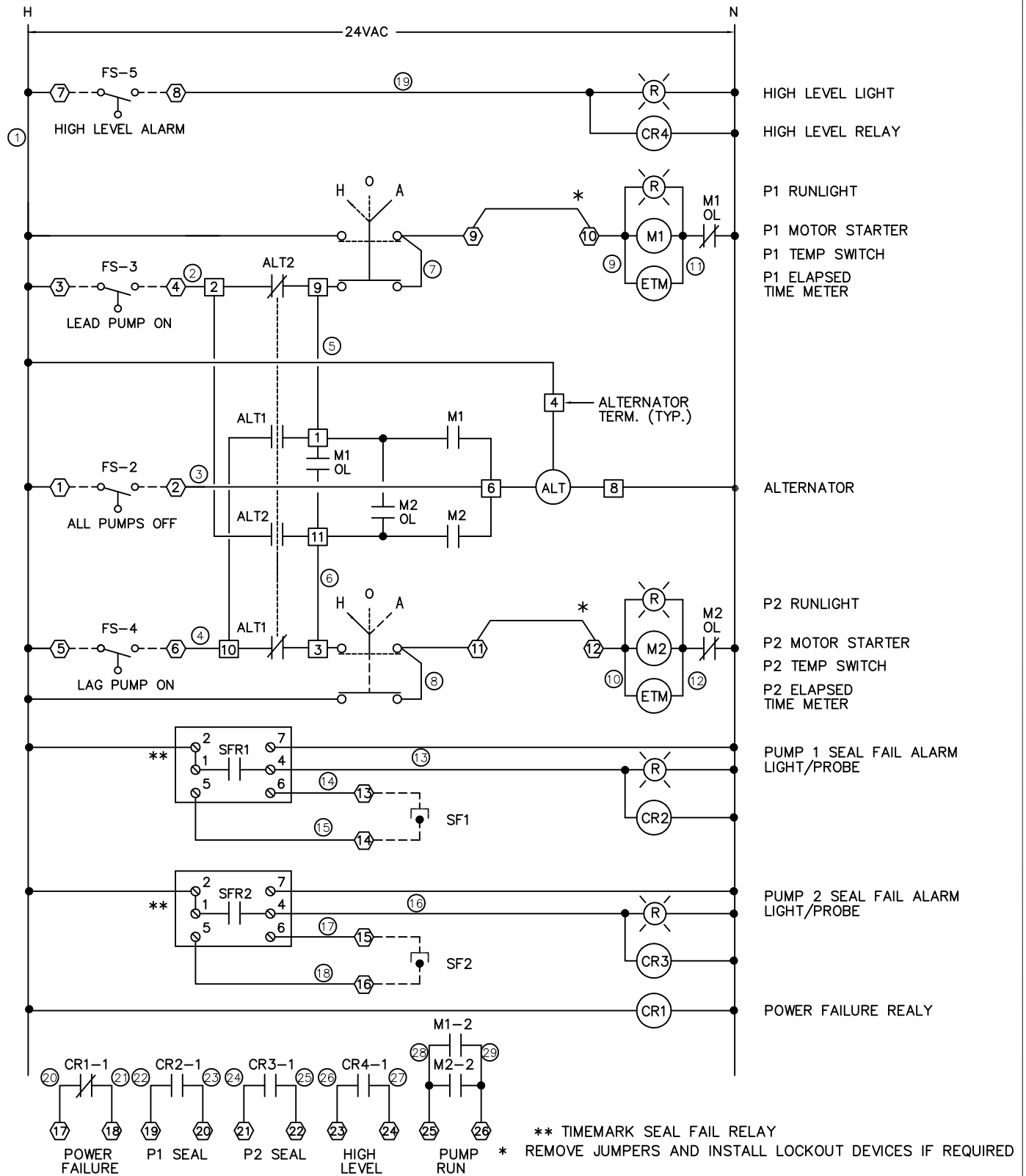
	Drawing Title								
	POWER DIAGRAM								
DATE 2/09/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	APPROVED	
	Project Title			BY C. RACHAL					PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL								DRAWING NUMBER CP-1997
									SHEET NUMBER 2

COX

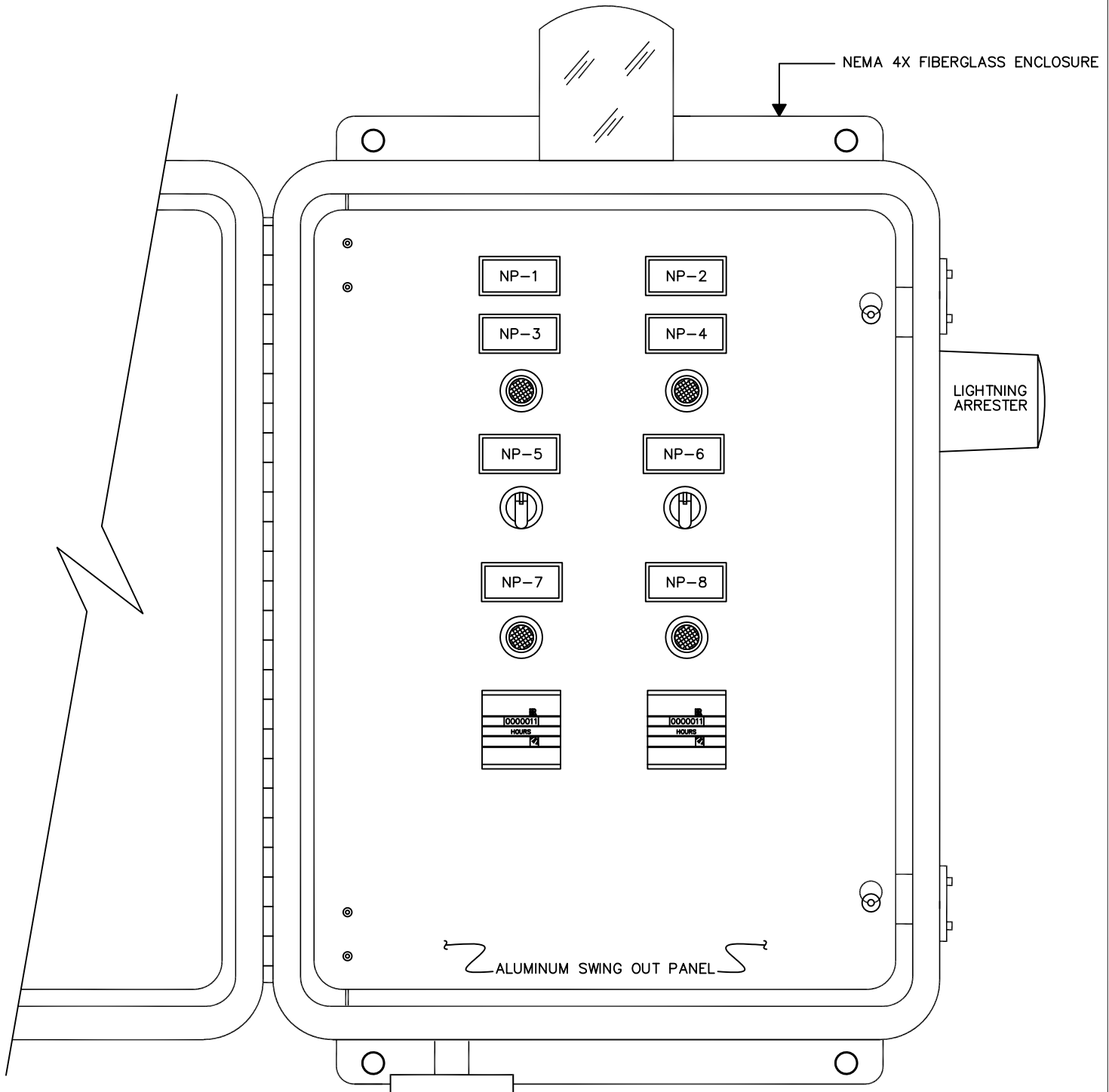
Research and Technology, Inc.

P.O. Box 77808
Baton Rouge, LA
70809

Ph. (225)756-3271
Fax (225)755-1030



	Drawing Title				
	CONTROL DIAGRAM				
DATE 2/09/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DATE BY
	Project Title DUPLIX PUMP CONTROL PANEL	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1997 SHEET NUMBER 3



ALUMINUM SWING OUT 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
NP-7	SEAL FAIL
NP-8	SEAL FAIL

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

Drawing Title							
ENCLOSURE							
DATE 2/09/05		REFERENCE DRAWING		NO.		REVISION-LOCATION	
		S/N		Sales Engineer C.C.		Application Engineer R.C.	
Project Title				DRAWN BY C. RACHAL		APPROVED BY	
DUPLEX PUMP CONTROL PANEL				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-1997	
						SHEET NUMBER 4	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPL	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	ABB	A30-30-11-84	MOTOR STARTER
4	2	ABB	TA25DU32	O.L. RELAY (24-32A)
5	2	SQUARE D	QOU260	CB1, CB2
6	1	TIMEMARK	261DT24V	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	2	REDINGTON	711-0190	ELAPSED TIME METER
12	2	TIMEMARK	409	SEAL FAIL RELAY
13	4	IDEC	RU2SA24	CR1-4
14	1	ABB	T4150PSF-1	TRANSFORMER
15	2	ABB	CAL5-11	AUXILIARY CONTACTS
16	1	DELTA	LA603	LIGHTNING ARRESTER
17	1	STOCK		GFI RECEPTACLE
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title									
	BILL OF MATERIALS									
DATE 2/09/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY			
	Project Title					P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL	<div style="text-align: center;">COX</div> <div style="text-align: center;">Research and Technology, Inc.</div>				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-1997			
							SHEET NUMBER 5			