
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL PEARL RIVER

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	3	
FLA	18	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	HYDROMATIC	
CATALOG NUMBER	G2HX300CD	
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		

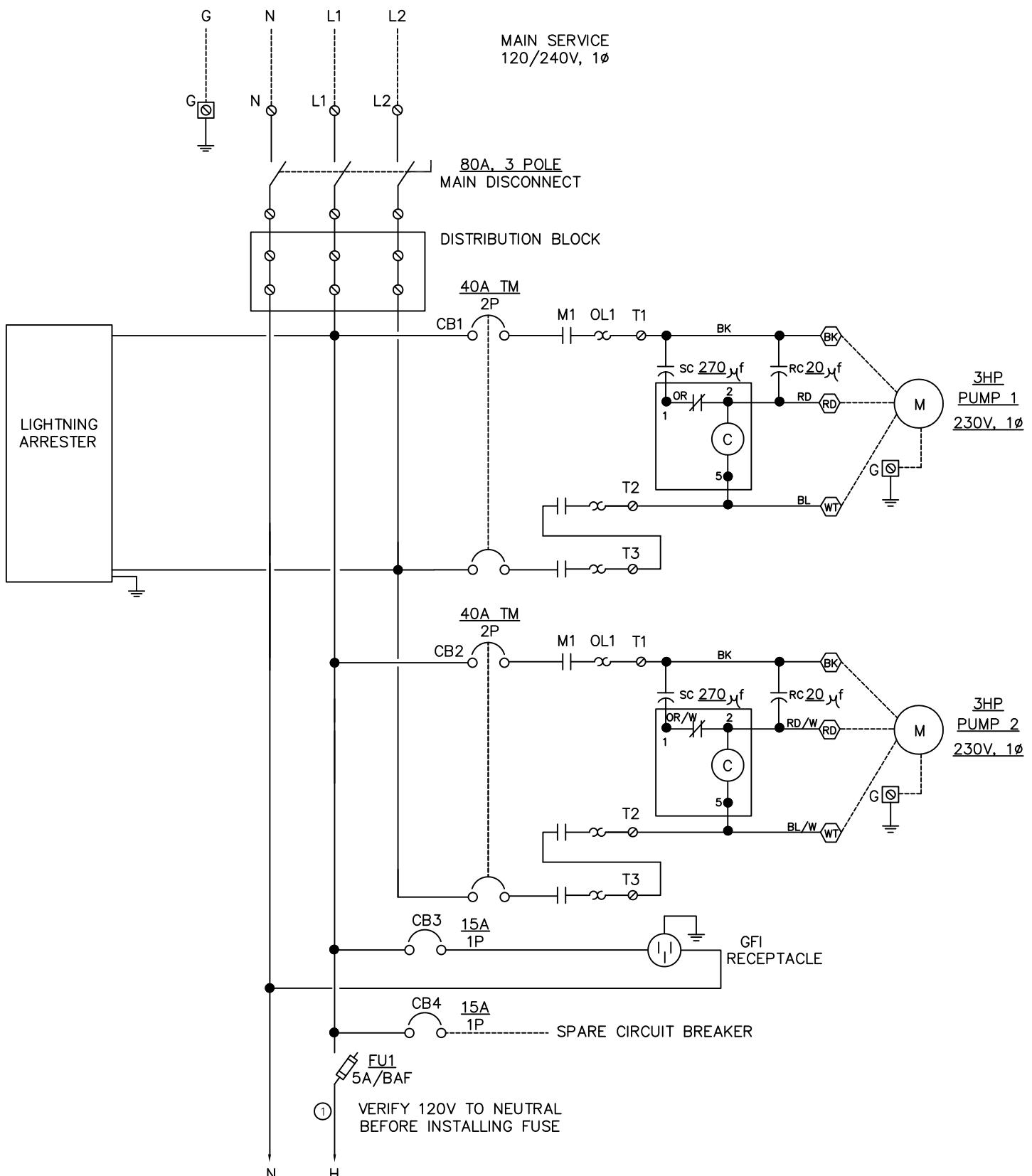
OPTIONS:

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	X	
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		

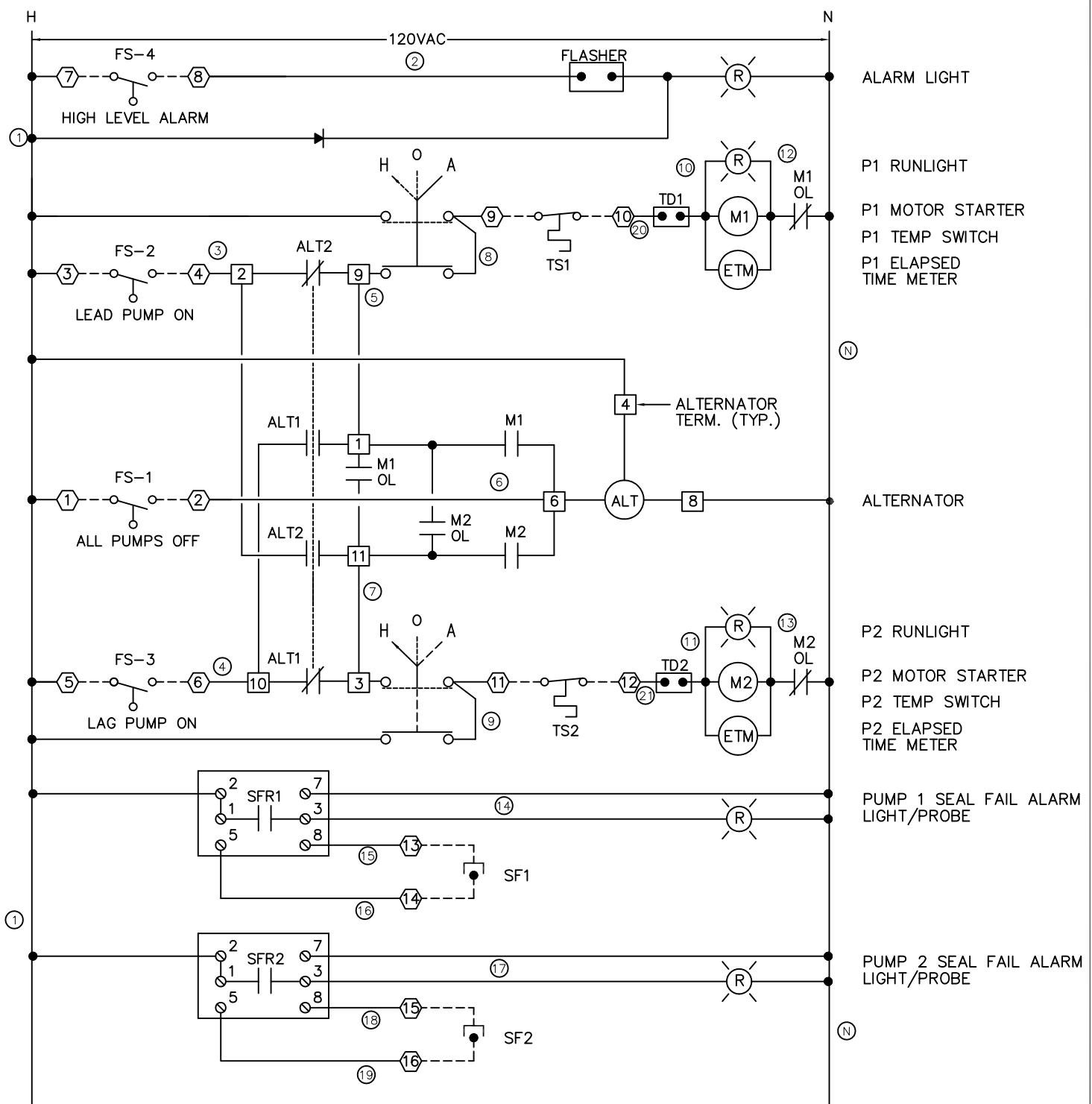
SOLD TO: Delta Process - New Orleans, LA
TAG : Pearl River

SHIP TO: Delta Process - Denham Springs, LA

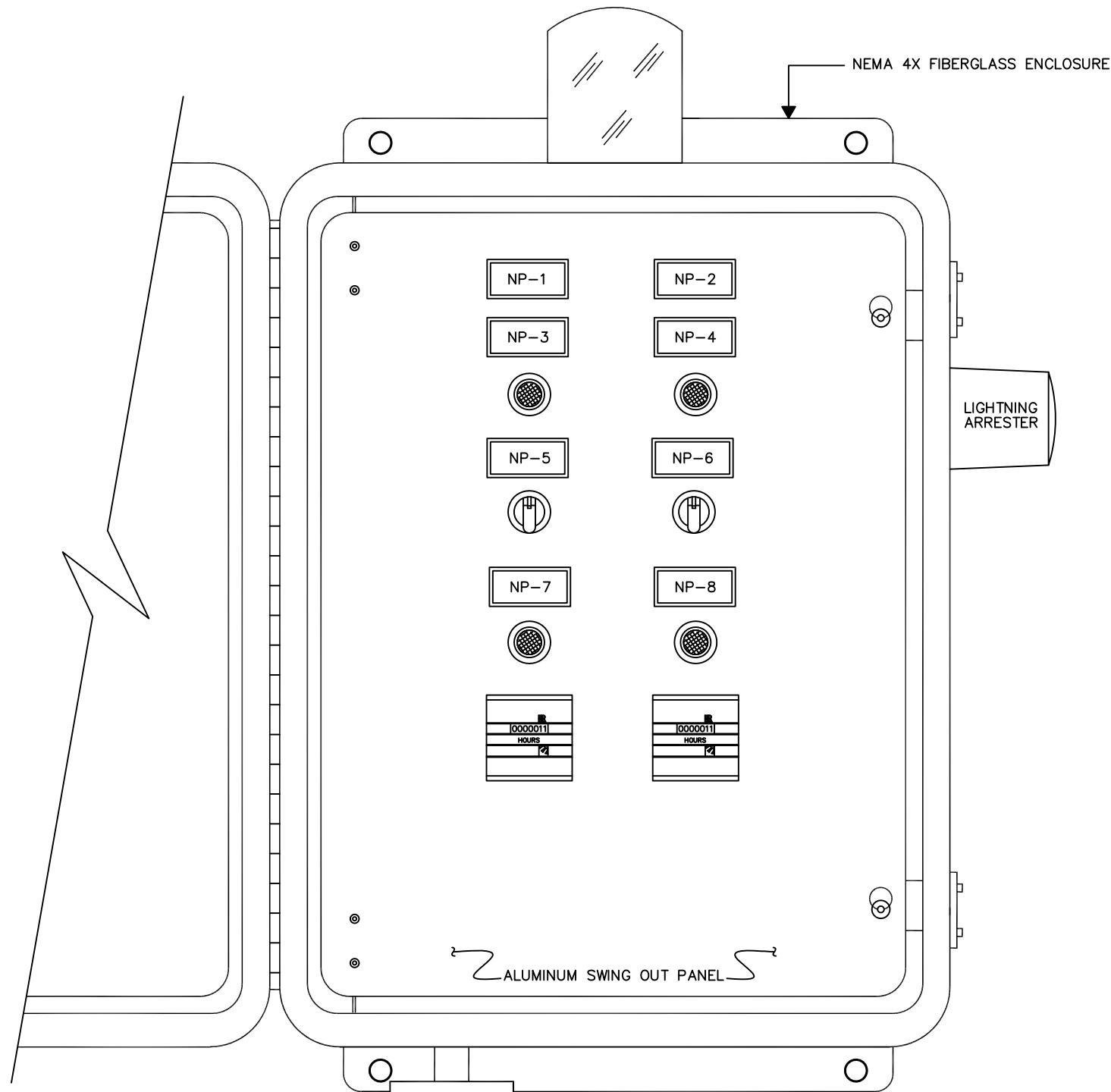
Drawing Title	PANEL DESCRIPTION		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
						DATE APPROVED BY	DATE APPROVED BY	DATE BY
DATE 6/13/05	Project Title DUPLEX PUMP CONTROL PANEL					P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2080	
						Ph. (225)756-3271 Fax (225)755-1030	SHEET NUMBER 1	



	Drawing Title						
	POWER DIAGRAM						
DATE 6/13/05	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE		
Project Title DUPLEX PUMP CONTROL PANEL							
		COX Research and Technology, Inc.		PURCHASE ORDER NUMBER P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2080 SHEET NUMBER 2	



	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE
DATE 6/13/05		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)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2080 SHEET NUMBER 3	



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

	Drawing Title						
	ENCLOSURE						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 6/13/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/>		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-2080	
				SHEET NUMBER 4			

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM2420RLDF	ENCLOSURE
1a	1	ALLIED	BP2420AL	BACKPLATE
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	ABB	A26-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU19	O.L. (13-19A)
5	2	SQUARE D	QOU240	CB1, CB2
6	2	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	4CU58	270 μ f CAPACITOR
17	2	GE	6X660	20 μ f CAPACITOR
18	2	GE	6X557	START RELAY
19	1	SSAC	FS126RC	FLASHER
20	2	DAYTON	2A561	TIME DELAY
21				
22				
23				
24				
25				

	Drawing Title									
	BILL OF MATERIALS									
			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 6/13/5			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-2080 SHEET NUMBER 5				
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.							