
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL

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>15</u>	
FLA	<u>29.8A</u>	
TYPE OF PUMP	<u>Submersible</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>Myers</u>	
CATALOG NUMBER	<u>WG150H-43-25</u>	

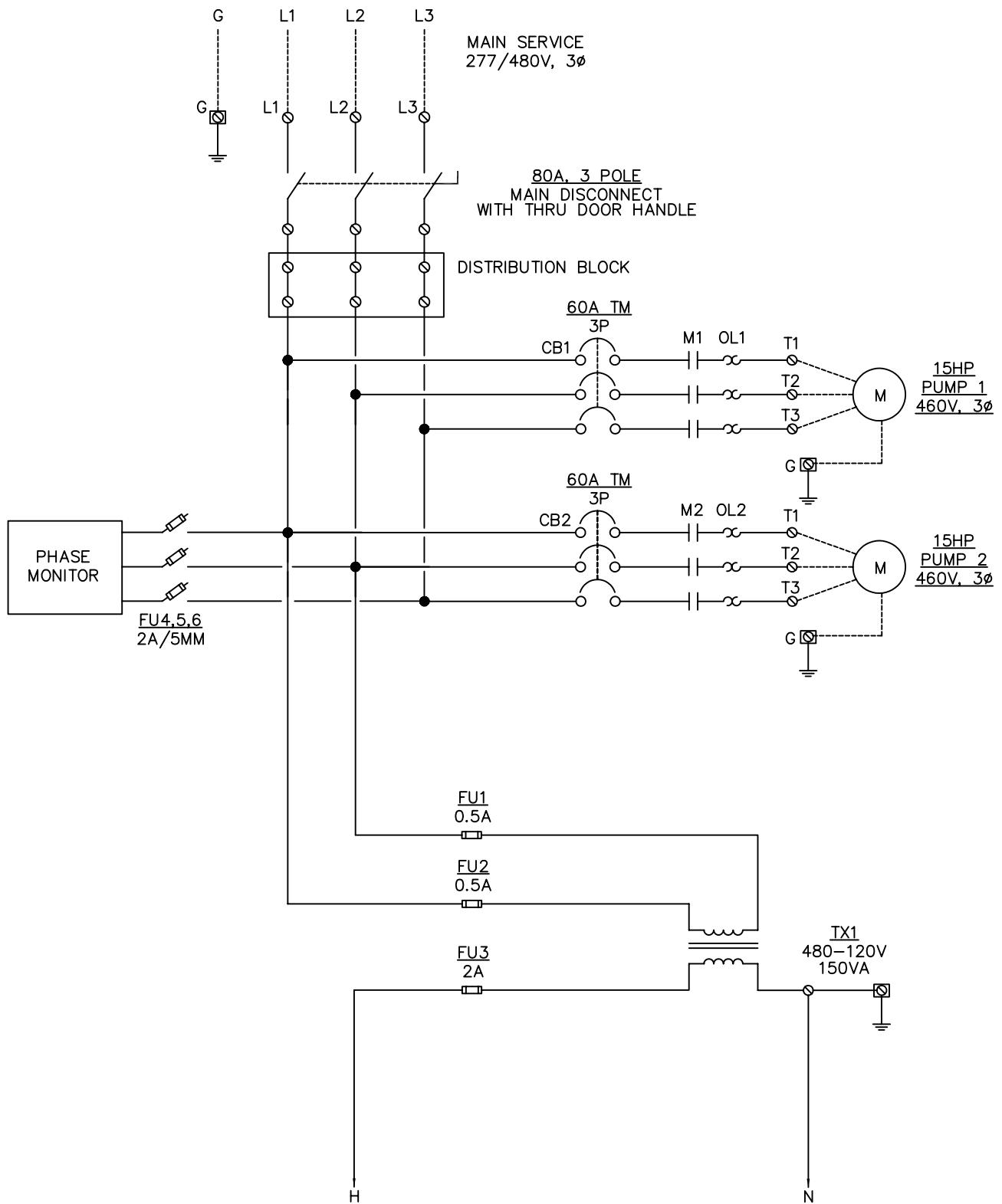
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 3R</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Stainless Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Floats</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE		

SEAL FAIL LIGHTS	<u>X</u>	(Submersible Only)
SEAL FAIL RELAYS	<u>X</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		
LIGHTNING ARRESTER	<u>X</u>	
ELAPSED TIME METER	<u>X</u>	
PHASE MONITOR	<u>X</u>	
NEMA RATED STARTERS	<u>X ABB</u>	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		
U.L. LISTING		

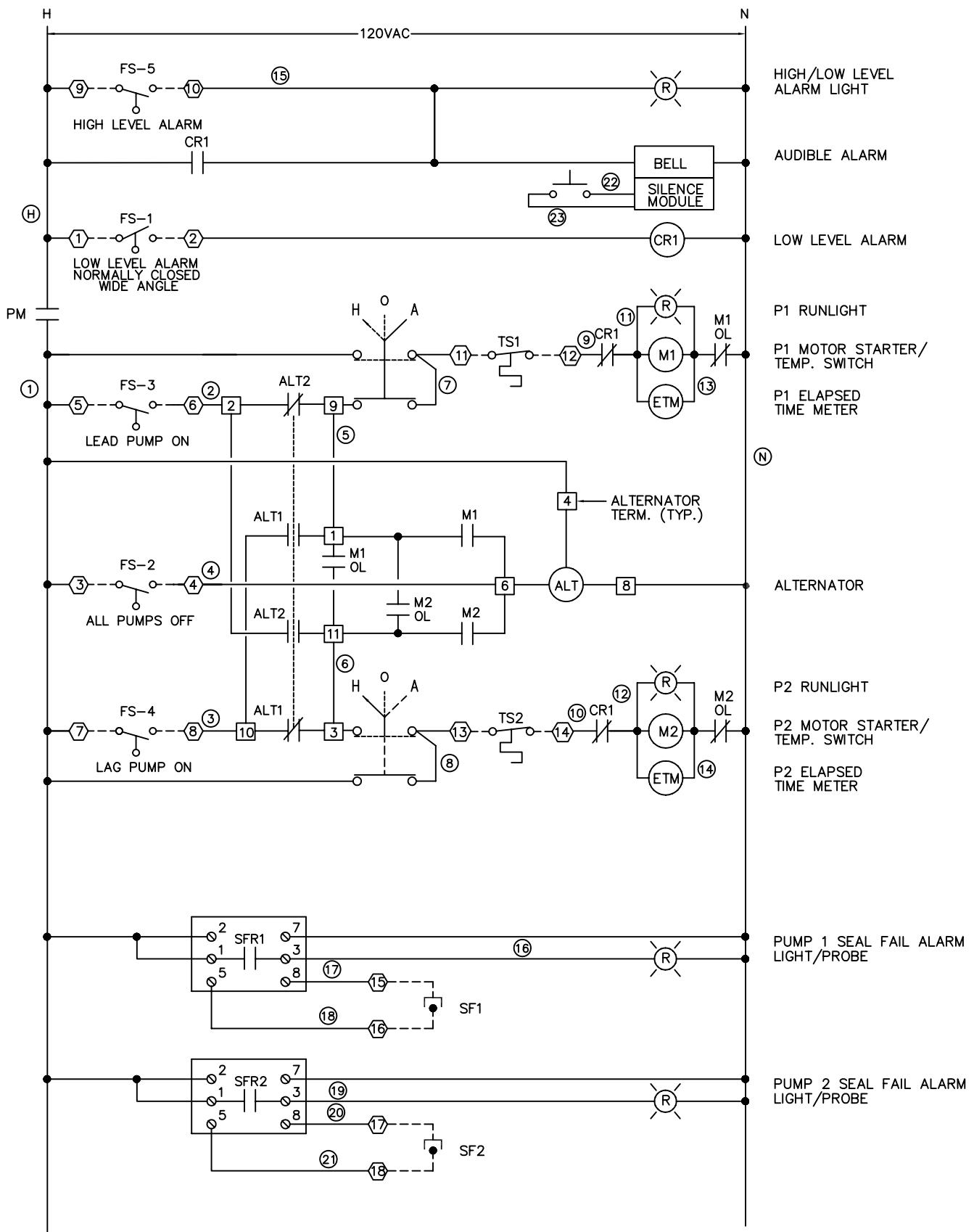
SOLD TO: PENTAIR WATER - ASHLAND, OHIO
TAG :

SHIP TO: PENTAIR WATER - DENHAM SPRINGS, LA

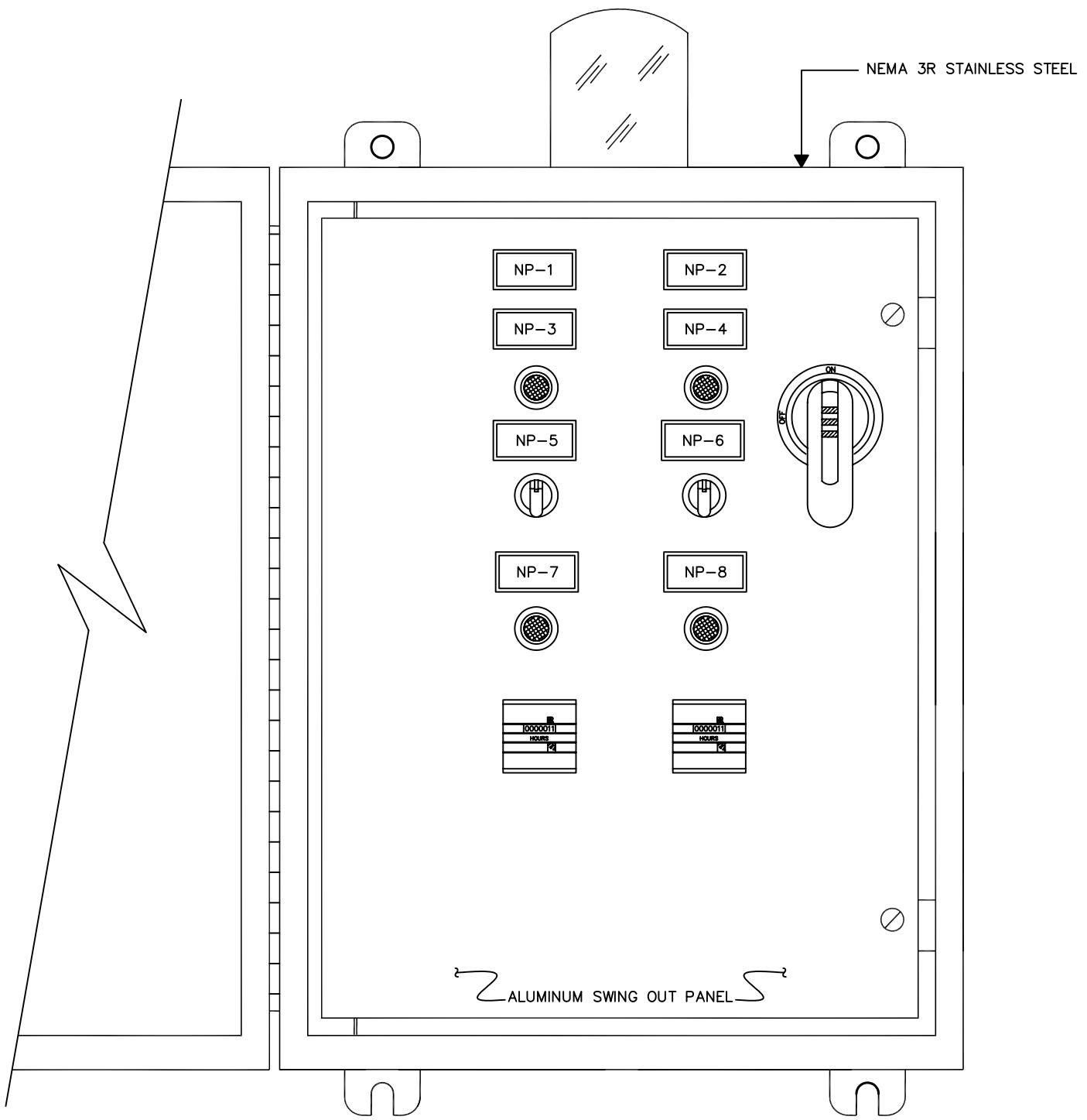
Drawing Title	PANEL DESCRIPTION							
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 12/31/03	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			
		C.C.	R.C.	BY C. RACHAL	BY		BY	DATE
Project Title	<u> </u>		<u> </u>		<u> </u>		<u> </u>	
DUPLEX PUMP CONTROL PANEL	<u> </u>		<u> </u>		<u> </u>		<u> </u>	
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	Drawing Title POWER DIAGRAM							
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
DATE 12/31/03		S/N	Sales Engineer C.C.	Application Engineer 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	PURCHASE ORDER NUMBER				
			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-2171				
				SHEET NUMBER 2				



	Drawing Title CONTROL DIAGRAM			
DATE 12/31/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.
				ECN APPROVED BY C. RACHAL
Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2171 SHEET NUMBER 3	
		Ph. (225)756-3271 Fax (225)756-1030		



VIEW OF SWING OUT PANEL

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	DUPLEX PUMP CONTROL PANEL	COX	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-2171	
					SHEET NUMBER		
							4

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	HOFFMAN	242010REPL	ENCLOSURE
1a	1	HOFFMAN	2420P	BACKPLATE
1b	1	HOFFMAN	A2420SP	DEAD FRONT
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A50N2-30-11-84	MOTOR STARTER
4	2	ABB	TA75DU32	O.L. RELAY (22-32A)
5	2	ABB	S1N060TL	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ALLEN BRADLEY	800H-QR10R	RED PILOT LIGHT
8	2	ALLEN BRADLEY	800H-JR2A	HOA SWITCH
9	1	ABB	T4150PSF1	TRANSFORMER
10	1	AC/DC	BL5-120-R	ALARM LIGHT
11	2	REDINGTON	711-0190	ELAPSED TIME METER
12	2	SSAC	LLC54AA	SEAL FAIL RELAY
13	1	MARATHON	1323580	DISTRIBUTION BLOCK
14	1	IDEA	RH2BUAC120	CR1
15	1	SSAC	PLMU11	PHASE MONITOR
16	1	ABB	OXP5X265	SHAFT
17	1	ABB	OHB65J5	HANDLE
18				
19				
20				
21				
22				
23				
24				

Drawing Title								
BILL OF MATERIALS								
DATE 12/31/03	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		BY	DATE
C.C.		R.C.	BY C. RACHAL			BY		
Project Title DUPLEX PUMP CONTROL PANEL	COX				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	Research and Technology, Inc.							
					Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-2171	
						SHEET NUMBER 5		