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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
PONCHATOULA HIGH SCHOOL

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

CP-1903

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>5</u>	
FLA	<u>6.4</u>	
TYPE OF PUMP	<u>Self-Priming</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>VAUGHAN</u>	
CATALOG NUMBER		
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Fiberglass</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Floats</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

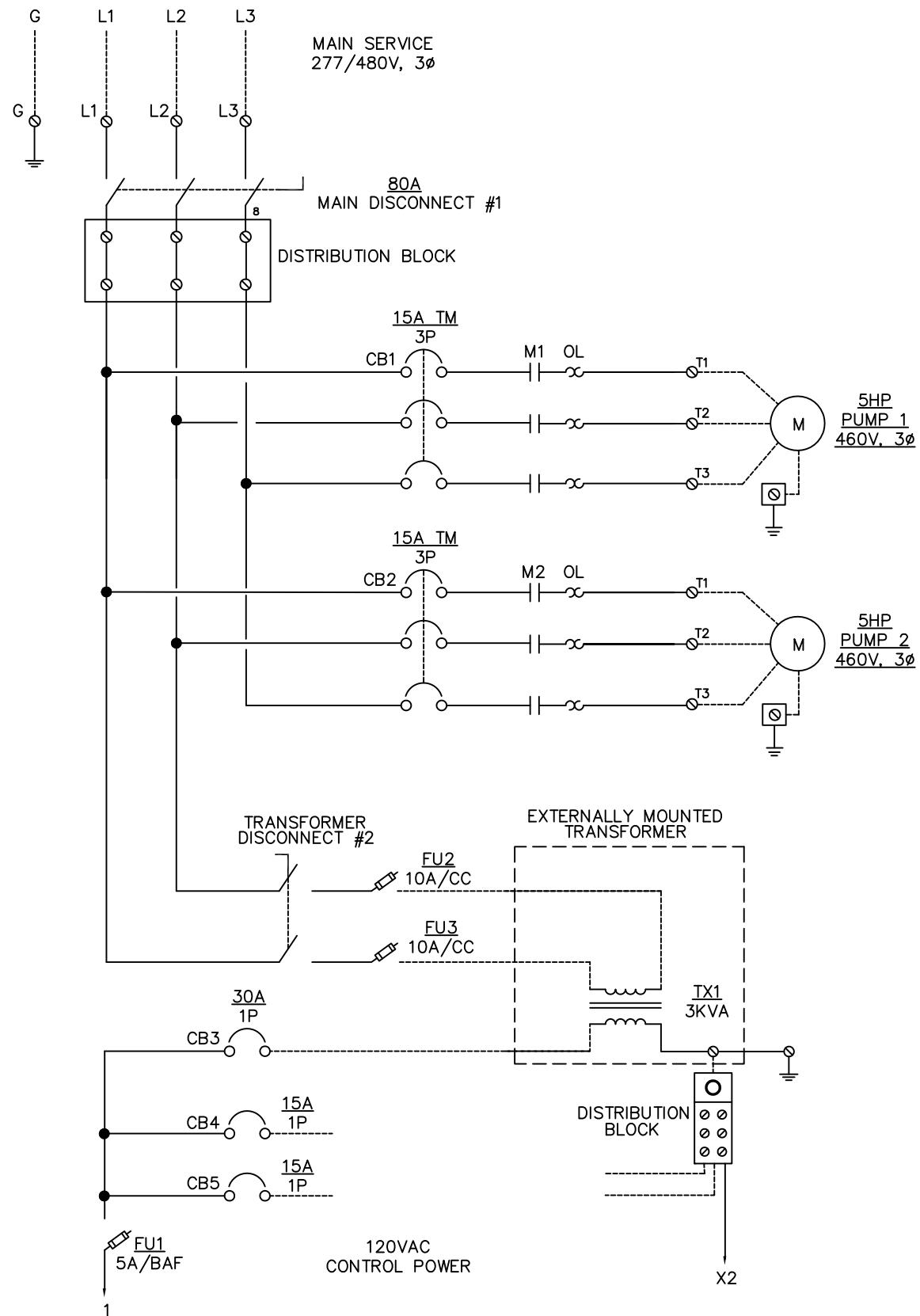
OPTIONS:

SEAL FAIL LIGHTS	<u>                        </u>	(Submersible Only)
SEAL FAIL RELAYS	<u>                        </u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u>                        </u>	(Submersible Only)
HT PUMP SHUTDOWN	<u>X</u>	(Self-Primer, Submersible)
ALARM HORN	<u>                        </u>	
ALARM LIGHT	<u>X</u>	
LIGHT PANEL MTD	<u>                        </u>	
LIGHT REMOTE MTD	<u>X</u>	
LIGHT FLASHER	<u>                        </u>	
LIGHTNING ARRESTER	<u>                        </u>	
ELAPSED TIME METER	<u>                        </u>	
PHASE MONITOR	<u>                        </u>	
NEMA RATED STARTERS	<u>                        </u>	
GROUND FAULT RECPT.	<u>                        </u>	
GREEN RUN LIGHTS VS. RED	<u>                        </u>	
POLE, BOX, SEAL	<u>                        </u>	
INTRINSICALLY SAFE RELAYS	<u>                        </u>	
HIGH TEMP. LOCKOUT, MANUAL RESET	<u>                        </u>	
ECONOMY VERSION	<u>                        </u>	
SWING INTERNAL DOOR	<u>X</u>	

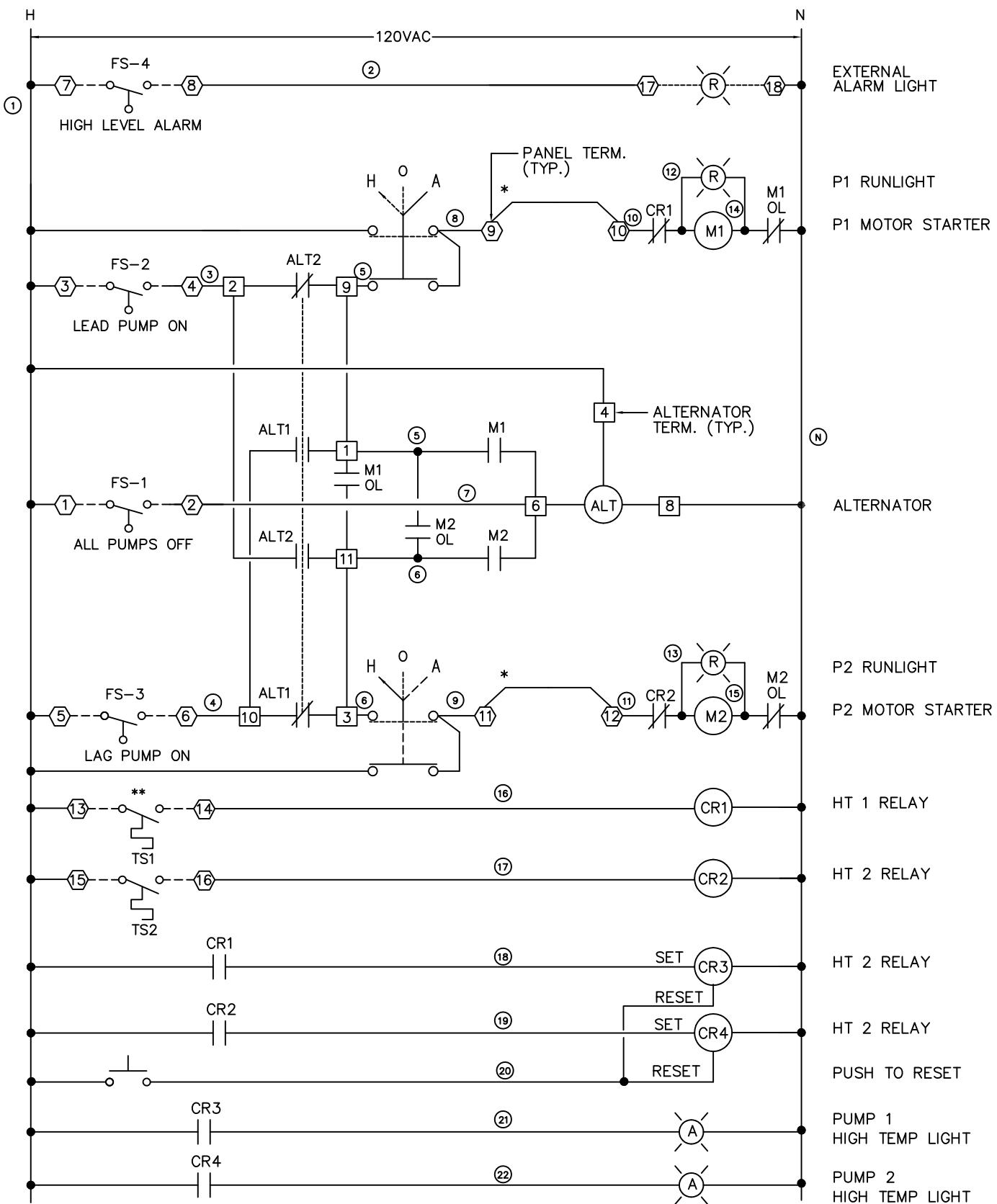
SOLD TO: Delta Process - Ruston, LA  
TAG : PONCHATOULA

SHIP TO: Delta Process - Ruston, LA

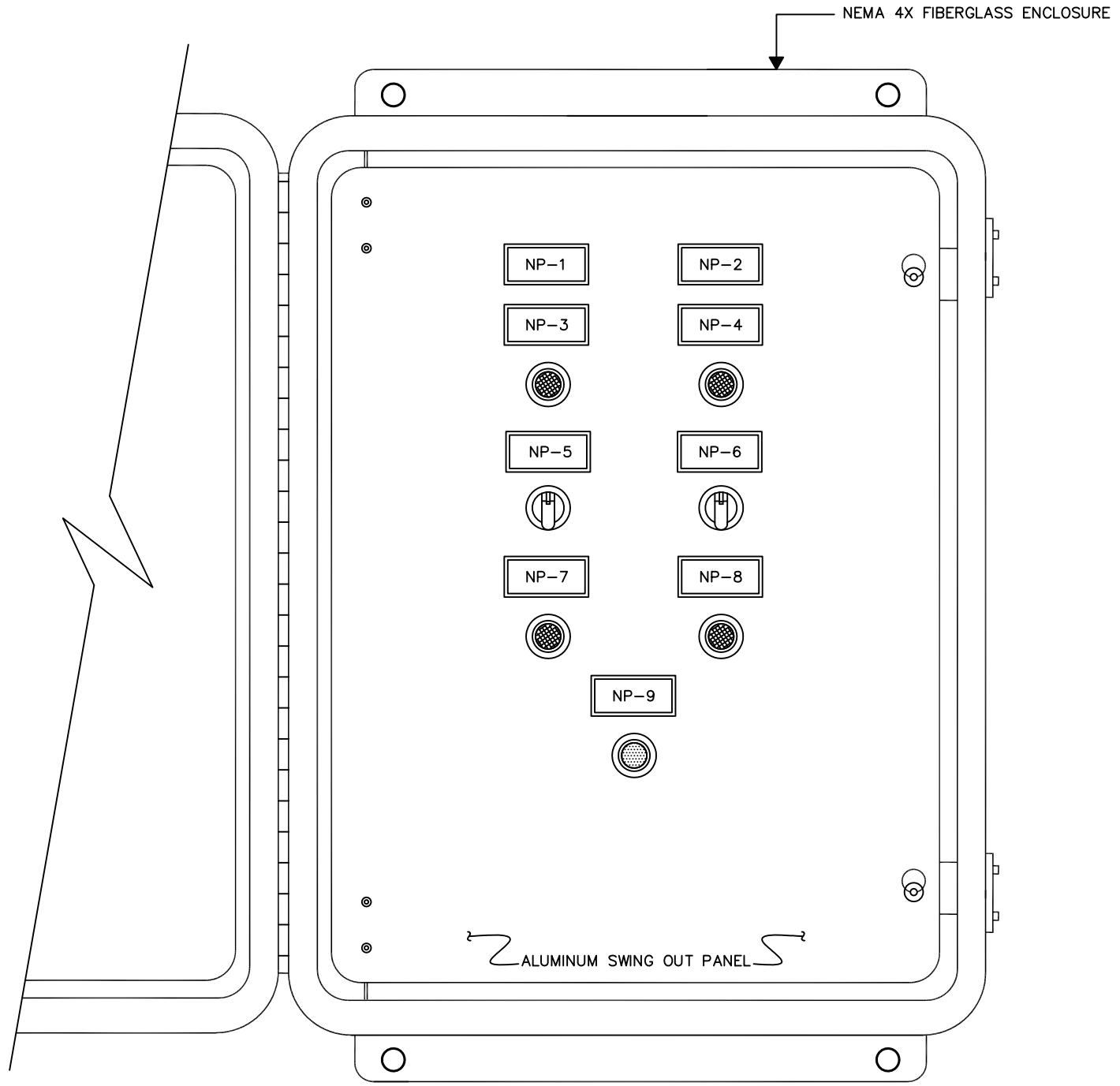
	Drawing Title  <b>PANEL DESCRIPTION</b>					
		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE BY
DATE 9/21/04		Sales Engineer	Application Engineer R.C.		APPROVED BY	DATE
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<u>COX</u> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1903 SHEET NUMBER 1



	Drawing Title  <b>POWER DIAGRAM</b>				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE
DATE 9/21/04		Application Engineer R.C.			
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>		<b>COX</b> 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-1903 SHEET NUMBER 2



Drawing Title					ECN	DATE	BY	
	CONTROL DIAGRAM							
DATE 9/21/04	REFERENCE DRAWING		NO.	REVISION-LOCATION	DRAWN BY C. RACHAL	APPROVED BY	DATE DATE	
	S/N	Sales Engineer C.C.	Application Engineer R.C.	REVISION-LOCATION				
Project Title  DUPLEX PUMP CONTROL PANEL		<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>		P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER			
						DRAWING NUMBER CP-1903		
				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	H-O-A
NP-6	H-O-A
NP-7	HIGH TEMP
NP-8	HIGH TEMP
NP-9	HIGH TEMP RESET

**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 9/21/04	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
	C.C.		R.C.	BY C. RACHAL	BY DATE	
	Project Title	<hr/> <hr/> <hr/> <b>COX</b> <hr/> <hr/>			PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			DRAWING NUMBER CP-1903	
					SHEET NUMBER 4	

## BILL OF MATERIALS

	Drawing Title  <b>BILL OF MATERIALS</b>  DATE 9/21/04						
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE BY DATE
							APPROVED
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<hr/> <b>COX</b> Research and Technology, Inc. <hr/>	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1903			
			Ph. (225)756-3271 Fax (225)756-1030	SHEET NUMBER 5			