
COX

Research and Technology, Inc.

GREATER OUACHITA 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

CP-1790

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	5	
FLA	15.2	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		

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	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

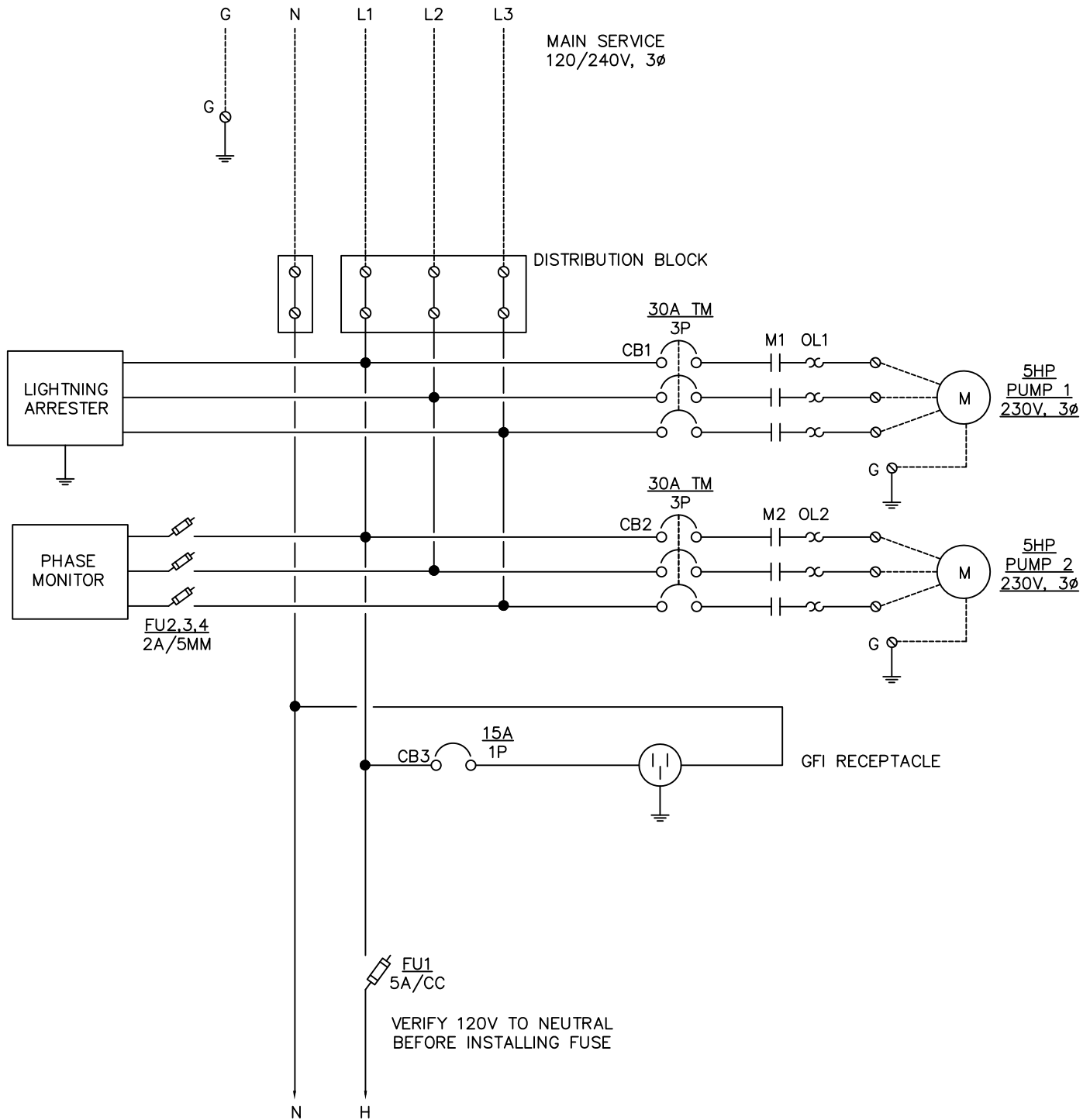
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER		
PHASE MONITOR	X	
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	X	

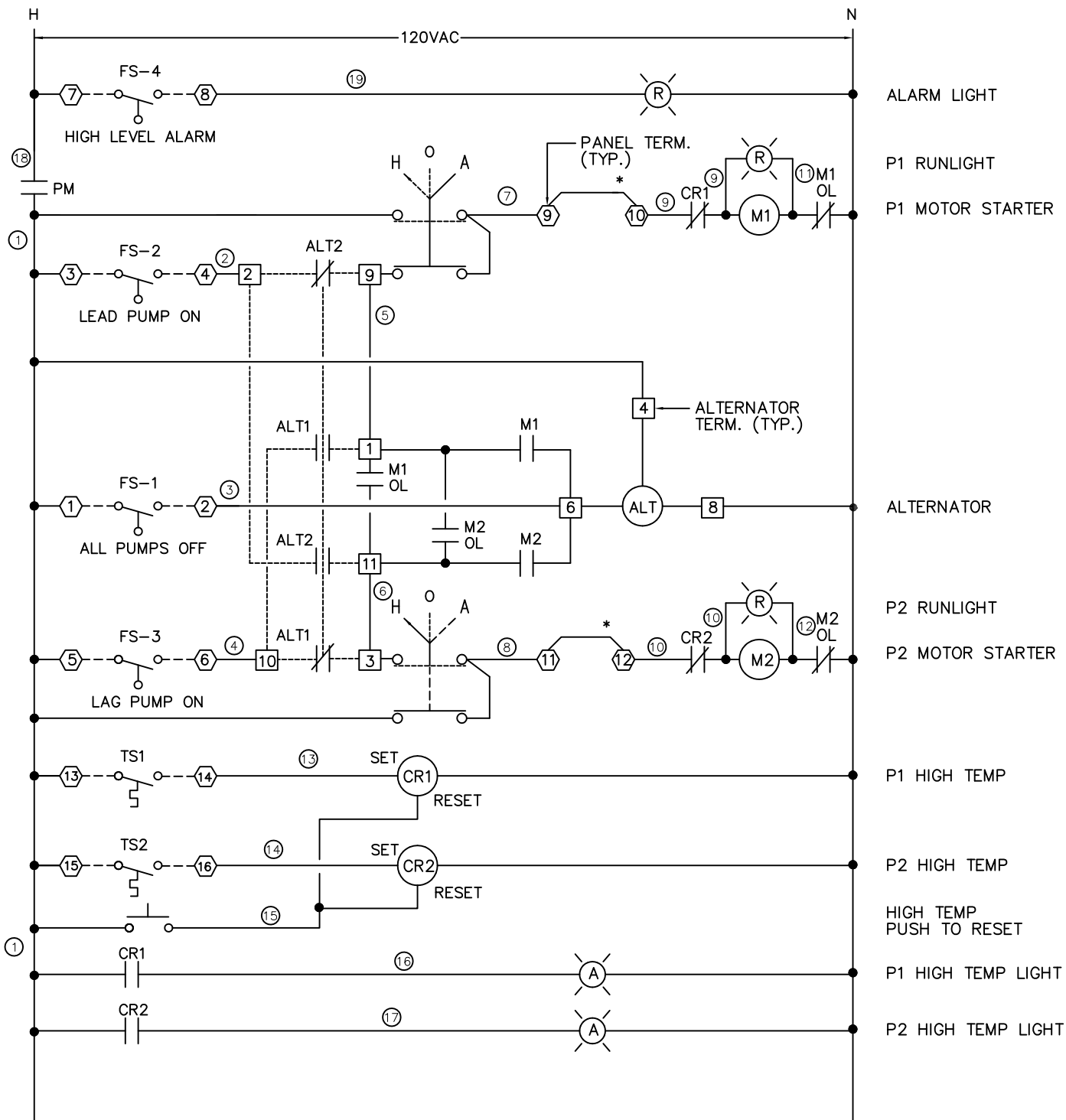
SOLD TO: Delta Process - Ruston, LA
TAG : GREATER OUACHITA

SHIP TO: Delta Process - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 4/30/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title DUPLIX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER
							DRAWING NUMBER CP-1790
							SHEET NUMBER 1



	Drawing Title							
	POWER DIAGRAM							
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
4/30/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED		
	Project Title				PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809	DRAWING NUMBER CP-1790		
		Ph. (225)756-3271 Fax (225)756-1030			SHEET NUMBER			2



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

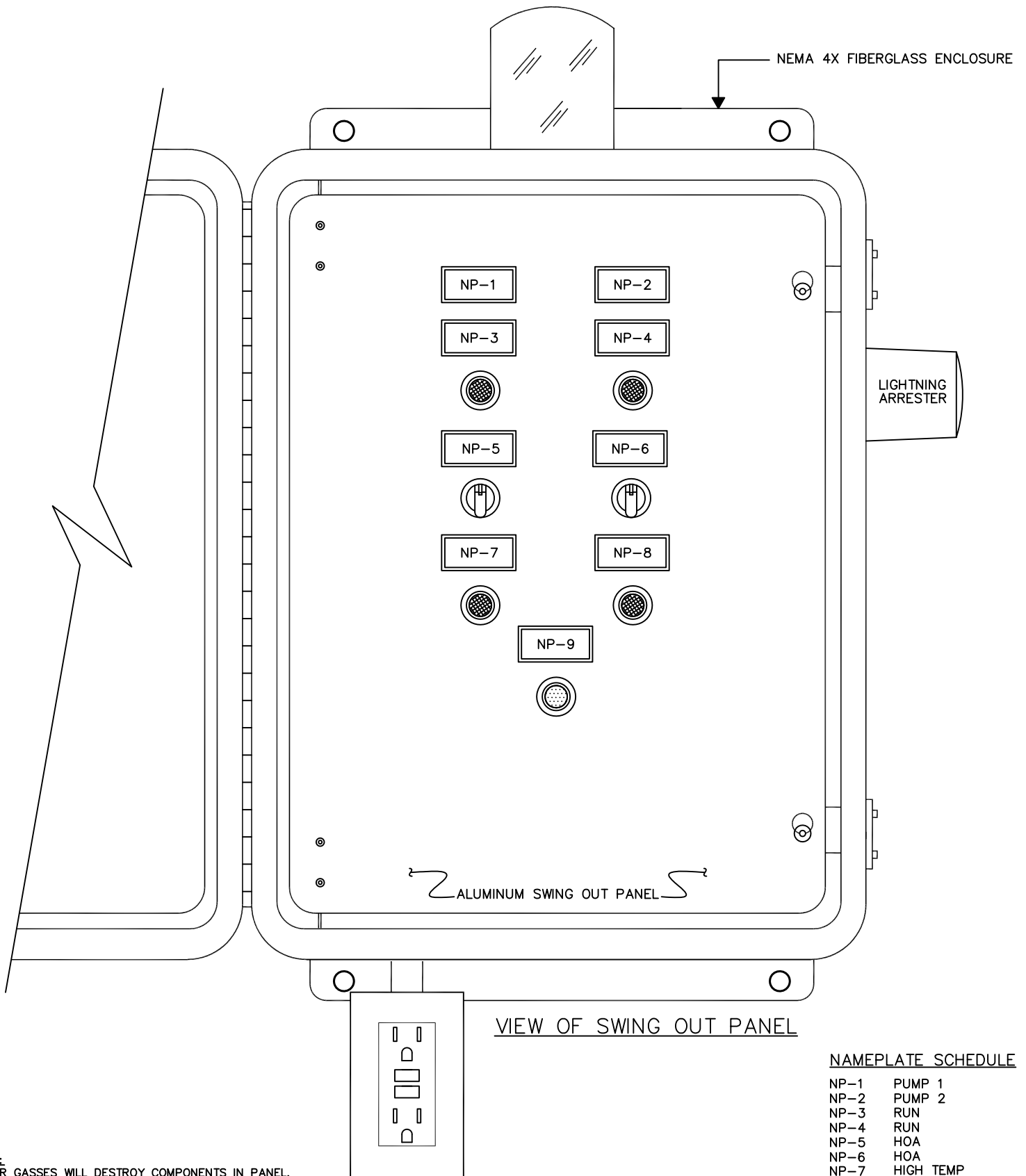
Drawing Title							
CONTROL DIAGRAM							
DATE		REFERENCE DRAWING		NO.		REVISION-LOCATION	
4/30/04		S/N		Sales Engineer		Application Engineer	
Project Title		C.C.		R.C.		BY C. RACHAL	
DUPLEX PUMP CONTROL PANEL						APPROVED	
						BY	
						DATE	
						PURCHASE ORDER NUMBER	
						DRAWING NUMBER	
						CP-1790	
						SHEET NUMBER	
						3	

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70809

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

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	HIGH TEMP
NP-8	HIGH TEMP
NP-9	HIGH TEMP RESET

DATE 4/30/04	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						PURCHASE ORDER NUMBER		
DUPLEX PUMP CONTROL PANEL		<div>COX</div> <div>Research and Technology, Inc.</div>		<div>P.O. Box 77808</div> <div>Baton Rouge, LA</div> <div>70809</div> <div>Ph. (225)756-3271</div> <div>Fax (225)756-1030</div>		DRAWING NUMBER		
						CP-1790		
						SHEET NUMBER		4

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	2	ABB	A16-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU19	O.L. RELAY (13-19A)
4	2	SQUARE D	QOU330	CB1, CB2
5	1	SQUARE D	QOU115	CB3
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FY	AMBER PILOT LIGHT
8	2	ACI	JR22FR	RED PILOT LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	ACI	JR22AN11B	PUSH BUTTON
11	1	DELTA	LA603	LIGHTNING ARRESTER
12	2	MAGNECRAFT	W388AMLCPX-9	LATCHING RELAYS
13	1	AC/DC	BL5-R-120	ALARM LIGHT
14	1	SSAC	PLMU-11	PHASE MONITOR
15	1			GFI RECEPTACLE
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 4/30/04		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	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP-1790</div> SHEET NUMBER <div style="text-align: right;">5</div>
	DUPLEX PUMP CONTROL PANEL						