
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
MAGNOLIA

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

CP-1558


VOLTAGE	240V 3W	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	2	
FLA	16	
TYPE OF PUMP		(Self-Priming, Submersible)
MANUFACTURER	BARNES	
CATALOG NUMBER	SGV2022L	
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		

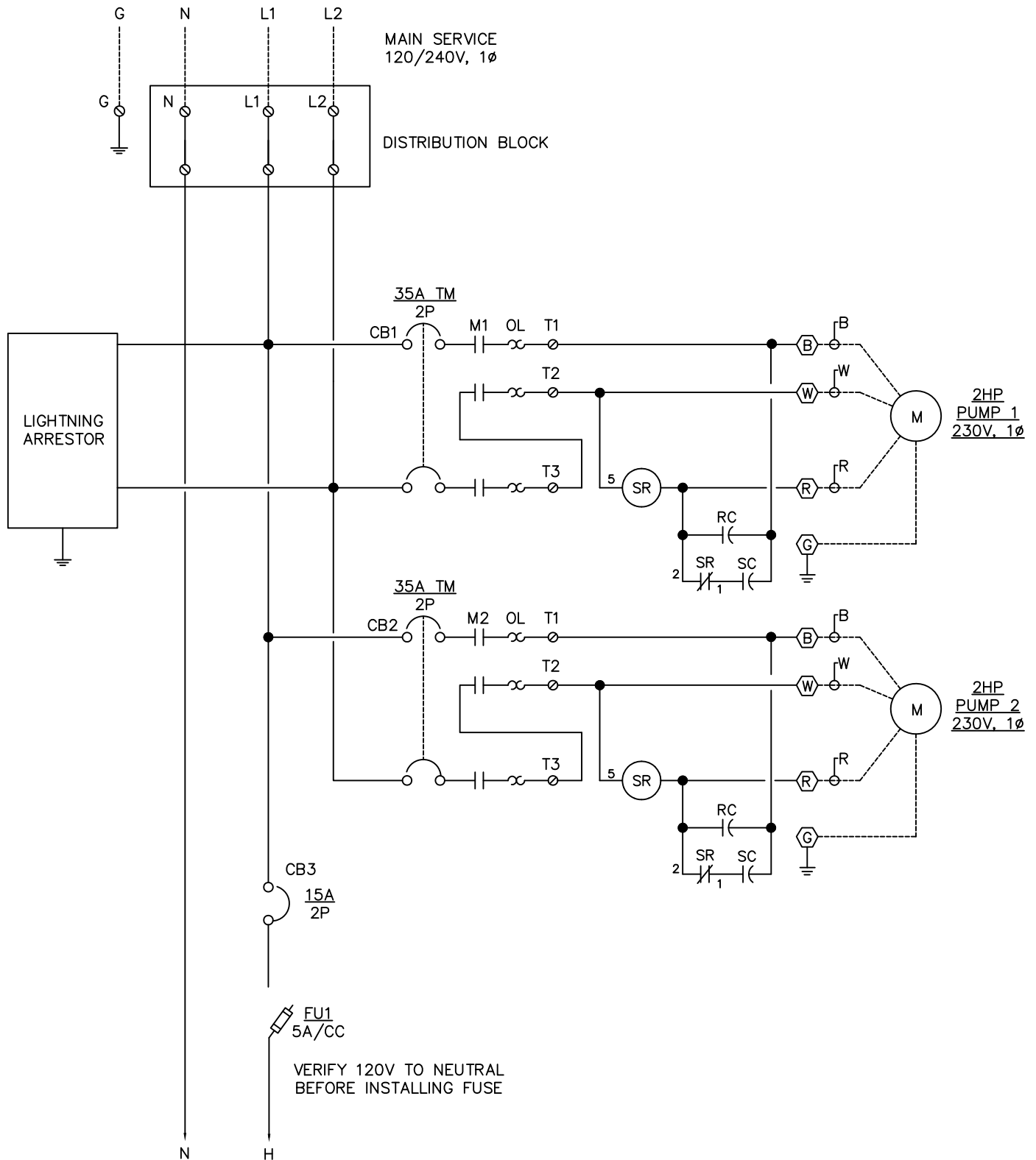
OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X PUMPCON	(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.		
GREEN RUN LIGHTS VS. RED	X	
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS	X In Alternator	
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION	X	

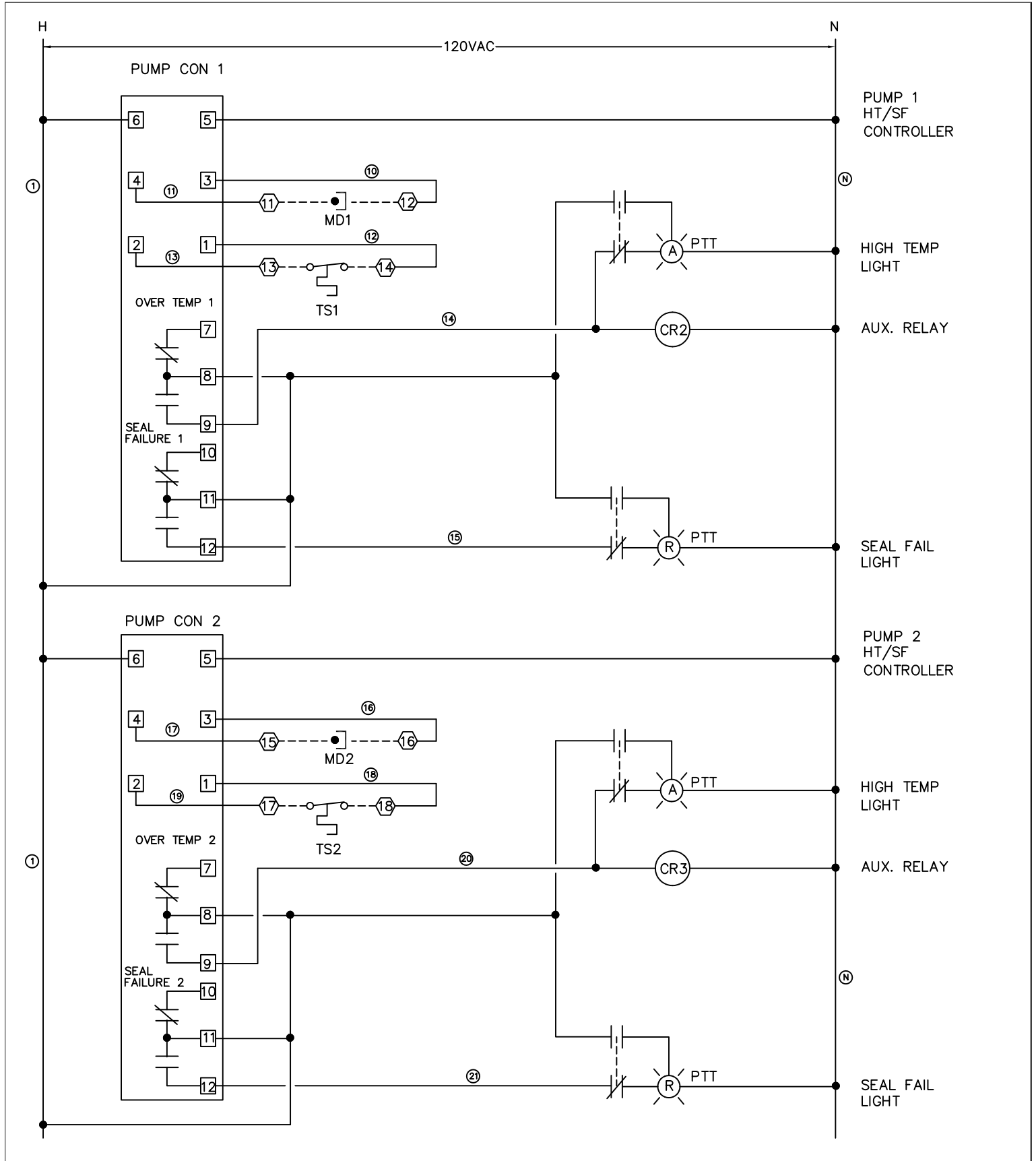
SOLD TO: Delta Process - Bossier City, LA
TAG : Magnolia

SHIP TO: Delta Process - Shreveport, LA

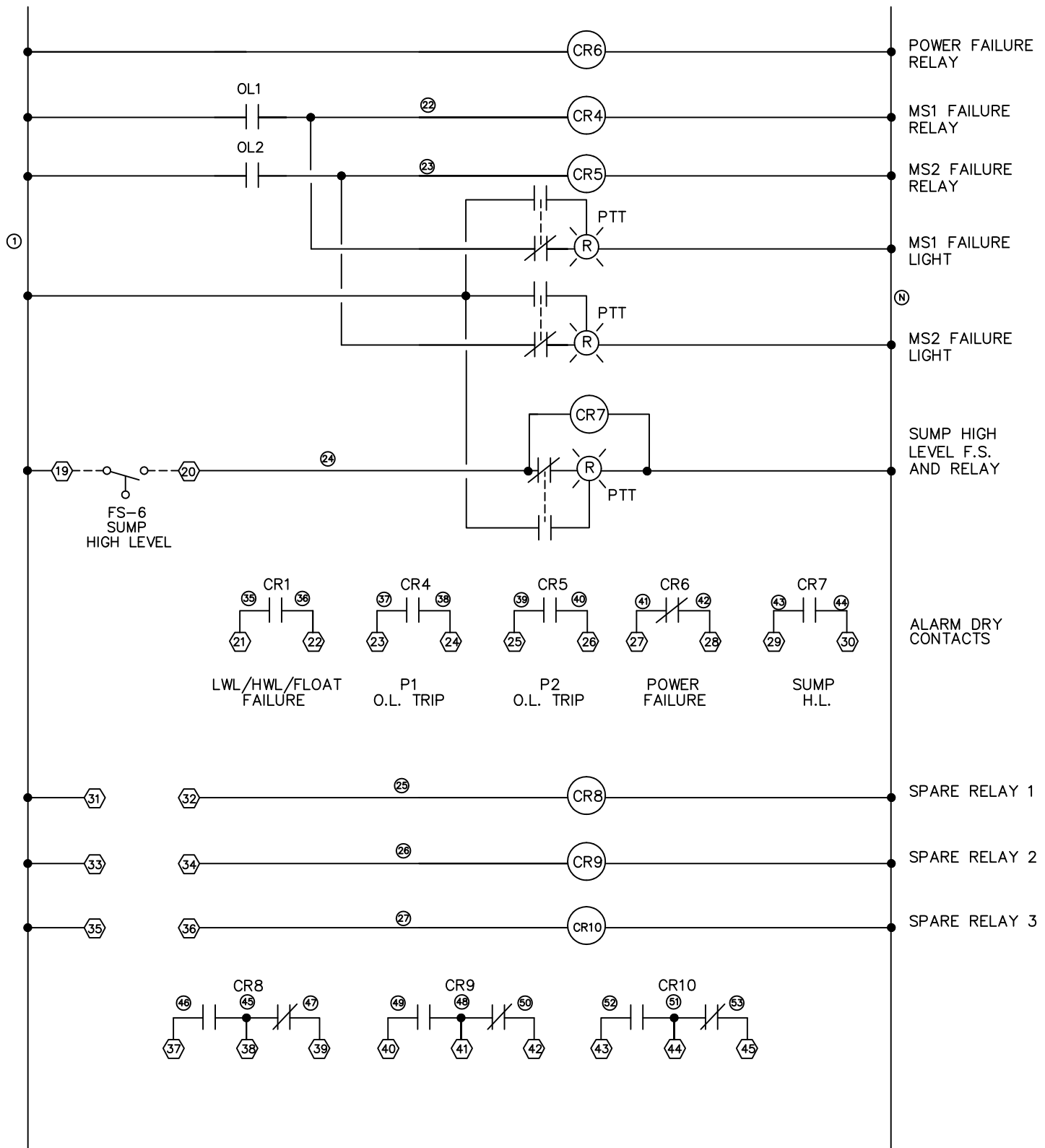
	Drawing Title						
	PANEL DESCRIPTION						
DATE 4/25/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;">  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1558
							SHEET NUMBER 1



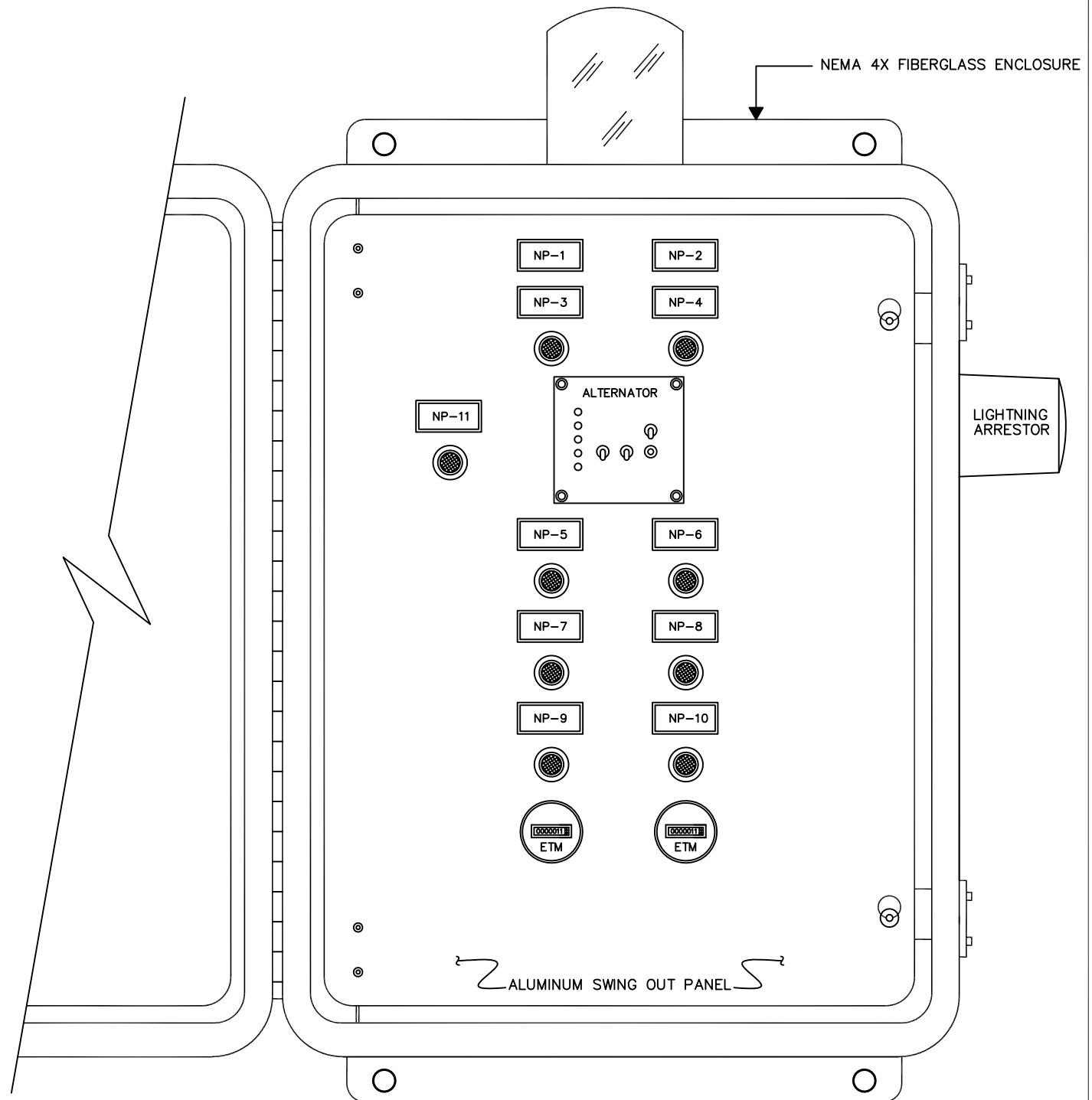
DATE 4/25/03	Drawing Title								
	POWER DIAGRAM								
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY	
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY		DATE	
Project Title		COX			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1558		
							SHEET NUMBER 2		



	Drawing Title CONTROL DIAGRAM									
DATE 4/25/03			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>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		
	DUPLUX PUMP CONTROL PANEL							DRAWING NUMBER CP-1558		
								SHEET NUMBER		
								4		



	Drawing Title								
	CONTROL DIAGRAM								
DATE		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
4/25/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
	Project Title				BY C. RACHAL		BY	DATE	
	DUPLEX 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-1558		
							SHEET NUMBER 5		



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HIGH TEMP
NP-6	HIGH TEMP
NP-7	SEAL FAIL
NP-8	SEAL FAIL
NP-9	O.L. TRIP
NP-10	O.L. TRIP
NP-11	SUMP HIGH LEVEL

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 4/25/03			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
			S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
	Project Title					BY C. RACHAL		BY	DATE	
	DUPLEX 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-1558										
SHEET NUMBER 6										

COX

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70809

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BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM24200RL	ENCLOSURE
1a	1	ALLIED	A2420P	BACKPLATE
2	1	MARATHON	1323570	DIST. BLOCK
3	2	SQUARE D	QOU235	CB 1,2
4	2	ABB	A26-30-10-84	MS 1,2
5	2	ABB	TA25DU 19	OL 1,2 (13-19A)
6	1	DIVERSIFIED	ARM-120-AFEP	ALTERNATOR
7	1	CH	CHSA01	LIGHTNING ARRESTER
8	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
9	2	ACI	JR22BL11Y	PILOT LIGHT AMBER
10	7	ACI	JR22BL11R	PILOT LIGHT RED
11	1	AC/DC	BL5-R-120	ALARM LIGHT
12	10	OMRON	2SAC120	CR1-11
13	1	SQUARE D	QOU115	CB 3
14	2	PUMP CON	OS-1P	HT/SF RELAY
15	2	PUMP CON	SD12PC	RELAY BASE
16	2	DAYTON	2A561	TIME DELAY RELAY
17	1	MARATHON	6SC30A1I	FU-1
18	1	SSAC	FS126	FLASHER
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	<h3 style="margin: 0;">BILL OF MATERIALS</h3>						
DATE 4/25/03		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;"> <h2 style="margin: 0;">COX</h2> <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-1558</div> SHEET NUMBER <div style="text-align: right;">7</div>
	DUPLEX PUMP CONTROL PANEL						