
COX

Research and Technology, Inc.

TRIPLEX PUMP
CONTROL PANEL
PLAQUEMINE PARISH

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

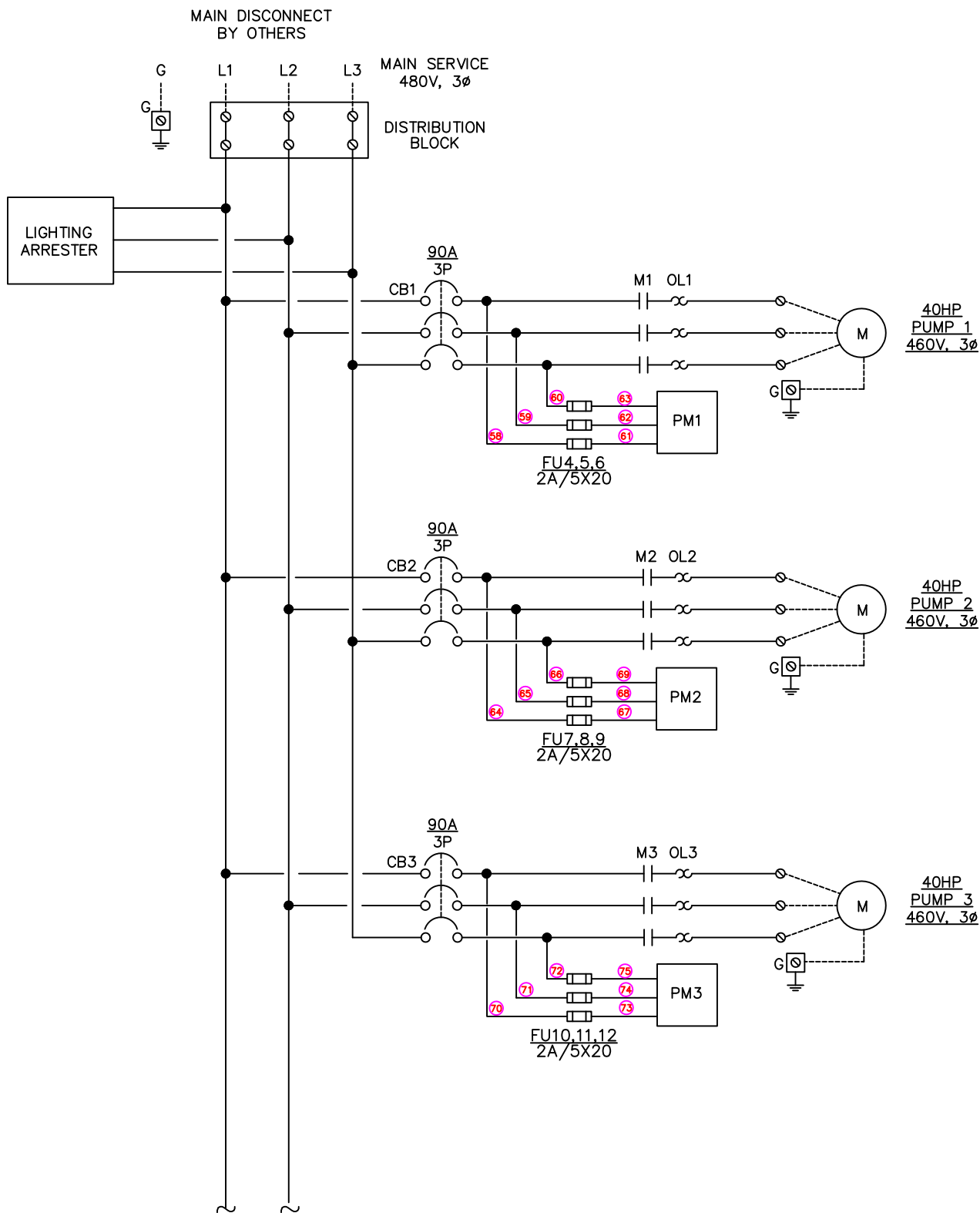
CP-1973

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

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(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	X	
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET	X	
ECONOMY VERSION		

SHIP TO: Delta Process - Denham Springs, LA

	Drawing Title
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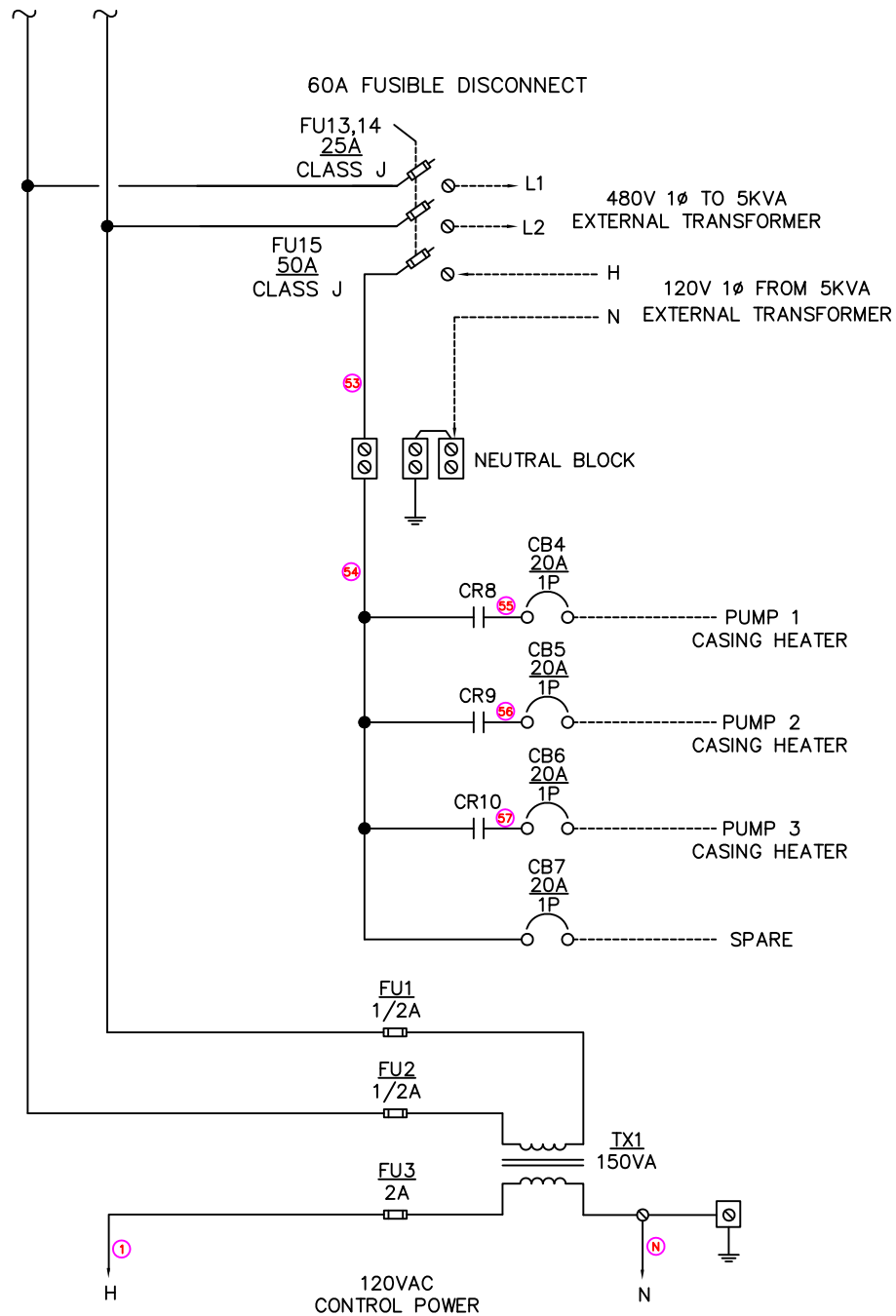
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	POWER DIAGRAM								
DATE	1/06/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR	APPROVED BY	DATE		
	Project Title							PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1973	
								SHEET NUMBER	2

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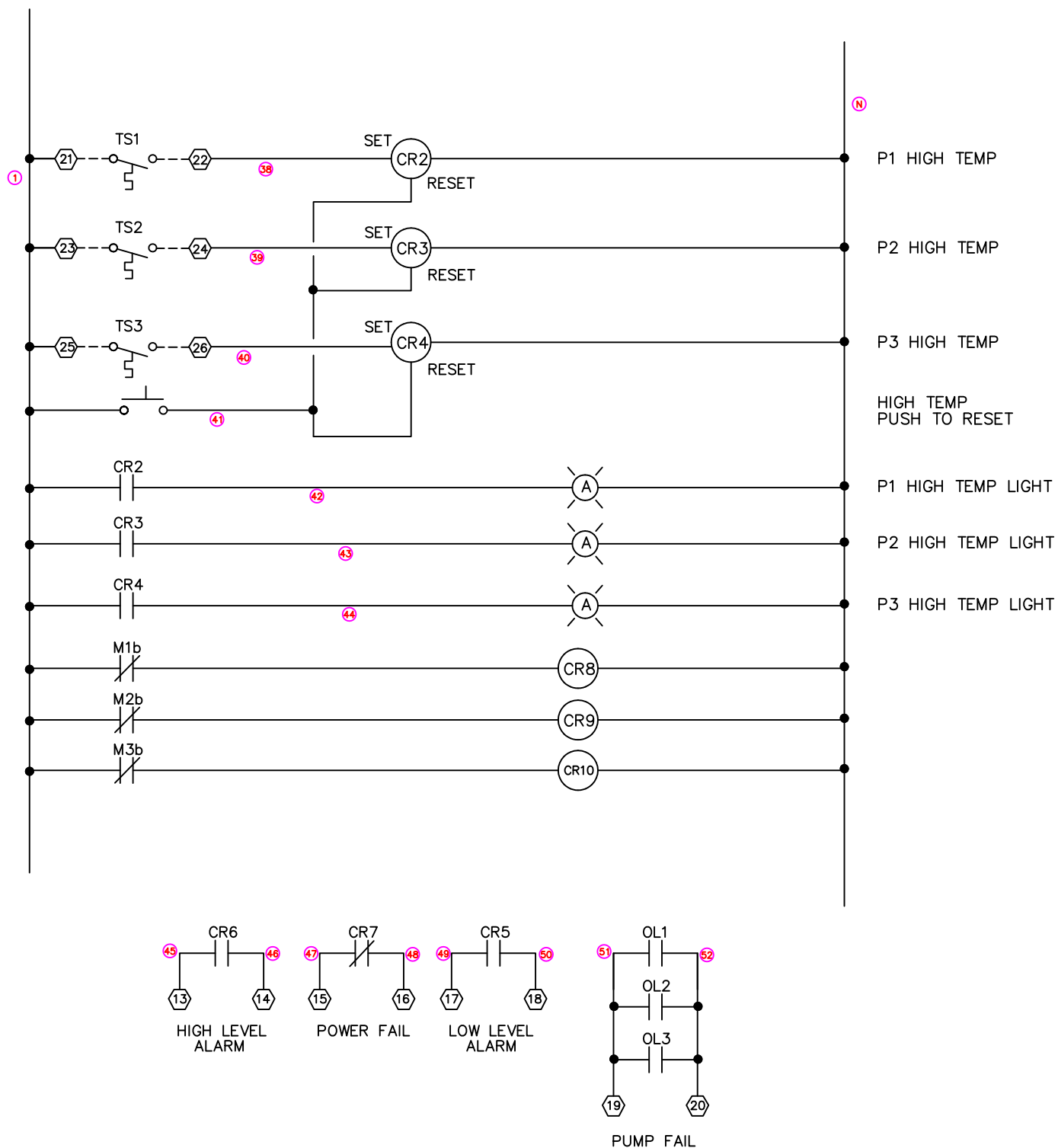
	Drawing Title							
	POWER DIAGRAM							
DATE	1/06/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY	CTR	APPROVED	
	Project Title							PURCHASE ORDER NUMBER
	TRIPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1973
								SHEET NUMBER 3

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	Drawing Title								
	CONTROL DIAGRAM								
DATE	1/06/05/	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED			
	Project Title				BY	CTR	BY	DATE	PURCHASE ORDER NUMBER
	TRIPLEX PUMP CONTROL PANEL								DRAWING NUMBER CP-1973
									SHEET NUMBER 5

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NEMA 3R S.S. ENCLOSURE

LIGHTNING ARRESTER

NP-18 NP-17

NP-1 NP-2 NP-3

NP-4 NP-5 NP-6 NP-19

NP-7 NP-8 NP-9

NP-10 NP-11 NP-12

NP-16

NP-13 NP-14 NP-15

ALUMINUM SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1	NP-11	HIGH TEMP
NP-2	PUMP 2	NP-12	HIGH TEMP
NP-3	PUMP 3	NP-13	O.L. RESET
NP-4	RUN	NP-14	O.L. RESET
NP-5	RUN	NP-15	O.L. RESET
NP-6	RUN	NP-16	HIGH TEMP RESET
NP-7	HOA	NP-17	POWER ON
NP-8	HOA	NP-18	HIGH LEVEL ALARM
NP-9	HOA	NP-19	TRANSMITTER - FLOATS
NP-10	HIGH TEMP		

	ENCLOSURE							
DATE 1/06/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE	BY
	Project Title TRIPLEX PUMP CONTROL PANEL	<div style="text-align: center;"> <div>COX</div> <div>Research and Technology, Inc.</div> </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER	
DRAWING NUMBER CP-1973								
SHEET NUMBER 6								

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S363012REPL	3R S.S. ENCLOSURE
1a	1	EBE	3630P	BACK PLATE
1b	1	EBE	A3630SP	DEAD FRONT
2	1	BUSSMANN	16323-3	DISTRIBUTION BLOCK
3	3	ABB	S1N090TL	CB 1,2,3 3P 90A
4	3	ABB	A75N3-30-11-84	MS 1,2,3
5	3	ABB	TA75DU63	O.L. 1,2,3 (45-63A)
6	1	DIVERSIFIED	ARM-120-ACE	TRIPLEX ALTERNATOR
7	3	SSAC	PLMU-11	PHASE MONITOR
8	1	DELTA	LA603	LIGHTNING ARRESTOR
9	1	MOBREY	MCU9000	LIQUID LEVEL CONTROLLER
10	1	MOBREY	MSP422	TRANSMITTER 1-26 FT
11	1	SQD	9070TF150D1	TRANSFORMER 150 VA
12	3	A-B	800H-JR2A	HOA
13	3	A-B	800H-QR10R	PILOT LIGHT-RED
14	1	A-B	800H-AR2A	PUSH BUTTON
15	1	ABB	OS60J12	FUSED DISCONNECT
16	1	ABB	OHB4	DIRECT MOUNT HANDLE
17	2	FERRAZ SHAWMUT	AJT-25	25A CLASS J FUSE
18	1	FERRAZ SHAWMUT	AJT-50	50A CLASS J FUSE
19	2	MARATHON	1321580	DISTRIBUTION BLOCK
20	4	SQD	QOU120	CB4-7
21	3	A-B	800H-QR10A	PILOT LIGHT-AMBER
22	1	A-B	800H-HR2A	2 POSTION SWITCH
23	3	REDINGTON	711-0190	ELAPSED TIME METER
24	3	MAGNECRAFT	W388AMLCPX-9	CR2,3,4
25	2	IDEC	RU4SA110	CR1A,B
26	1	A-B	800H-QR10W	PILOT LIGHT-WHITE
27	3	ABB	KPR3-104B	O.L. RESET P.B.
28	3	IDEC	RY2SA110	CR5,6,7
29				
30				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 1/06/05		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED	
	Project Title				BY	DATE	PURCHASE ORDER NUMBER
	<h2 style="margin: 0;">TRIPLEX PUMP CONTROL PANEL</h2>	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <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)755-1030		DRAWING NUMBER CP-1973 SHEET NUMBER 7