
COX

Research and Technology, Inc.

IRRIGATION MART

TRIPLEX PUMP
CONTROL PANEL
HOMER, LA

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

CP-2052

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>3</u>	
HP	<u>20,30,40</u>	
FLA	<u>24,35,45</u>	
TYPE OF PUMP	<u>Above Ground</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>Baldor</u>	
CATALOG NUMBER	<u>JPM2514T, JPM2534T, JPM2538T</u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 3R</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Painted Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Start Stop PB</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE	<u> </u>	

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> </u>	(Self-Primer, Submersible)
ALARM HORN	<u> </u>	
ALARM LIGHT	<u> </u>	
LIGHT PANEL MTD	<u> </u>	
LIGHT REMOTE MTD	<u> </u>	
LIGHT FLASHER	<u> </u>	
LIGHTNING ARRESTER	<u> </u>	
ELAPSED TIME METER	<u> </u>	
PHASE MONITOR	<u>X</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>	

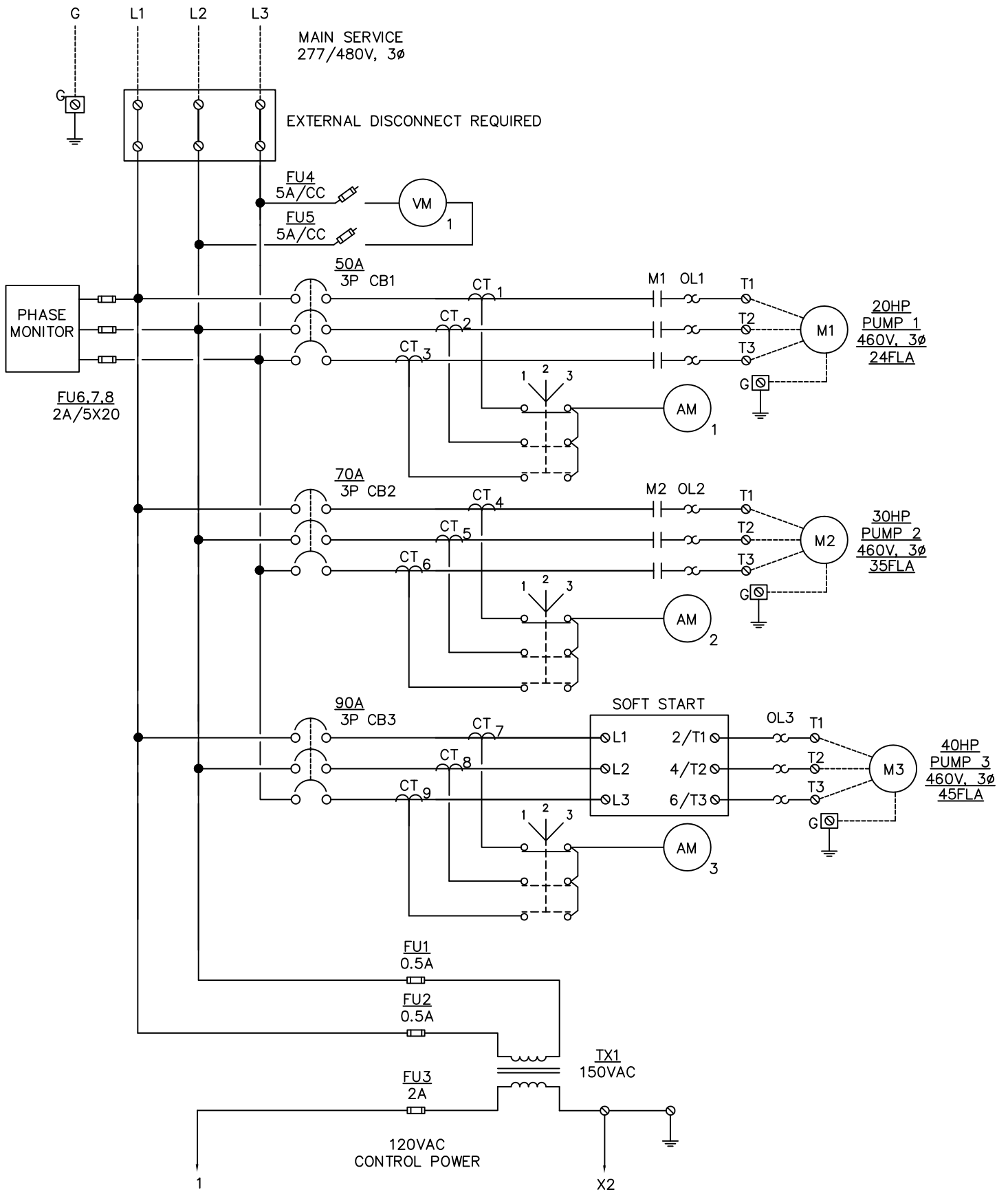
SOLD TO: Irrigation Mart

TAG : Homer, LA

Triplex Control Panel

SHIP TO:

	Drawing Title							
	PANEL DESCRIPTION							
DATE 5/03/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	<div style="text-align: center;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2052	
							SHEET NUMBER 1	



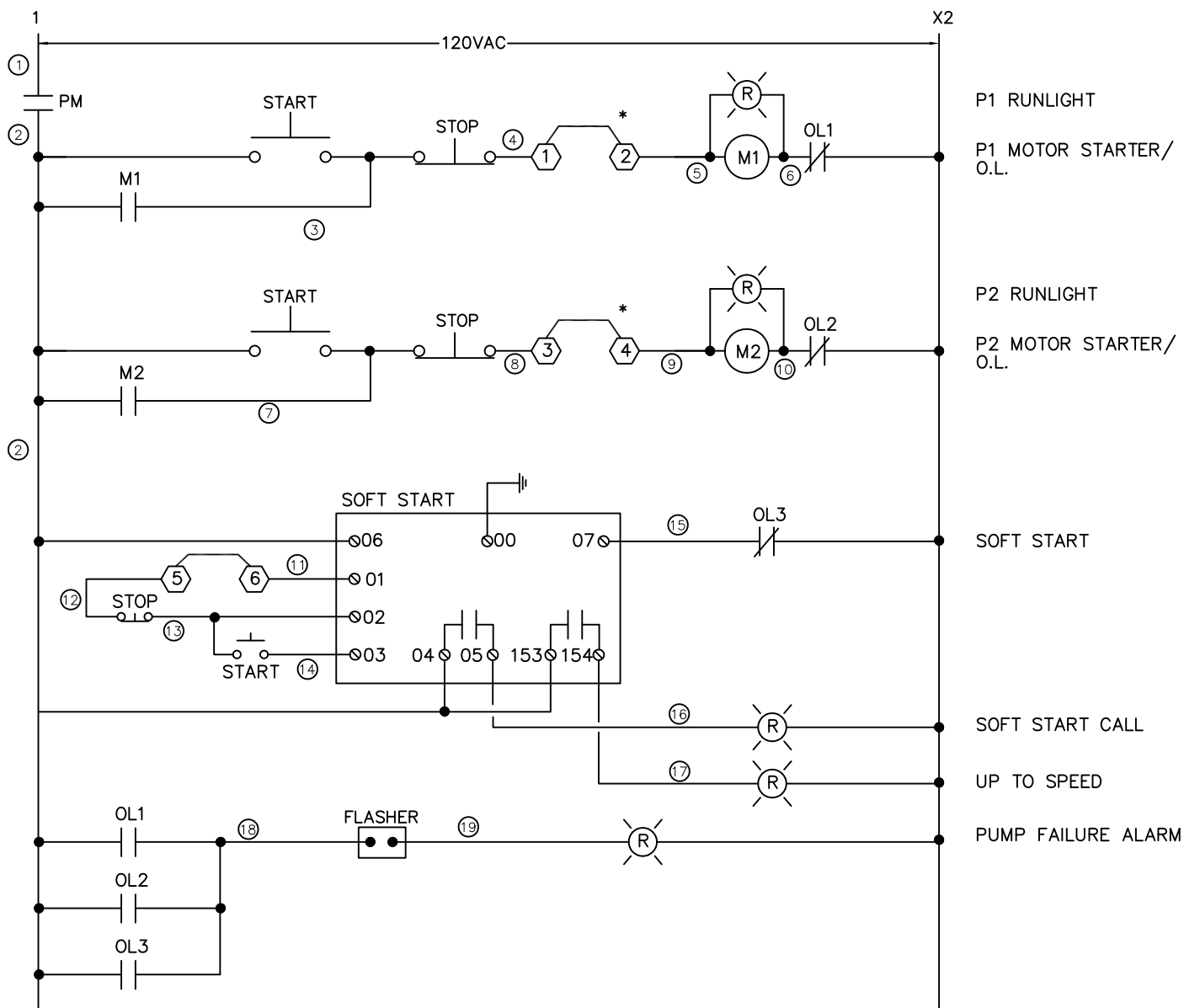
Drawing Title							
POWER DIAGRAM							
DATE 5/03/05	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		BY	DATE
Project Title				PURCHASE ORDER NUMBER			
TRIPLEX PUMP CONTROL PANEL				DRAWING NUMBER CP-2052			
				SHEET NUMBER			

COX

Research and Technology, Inc.

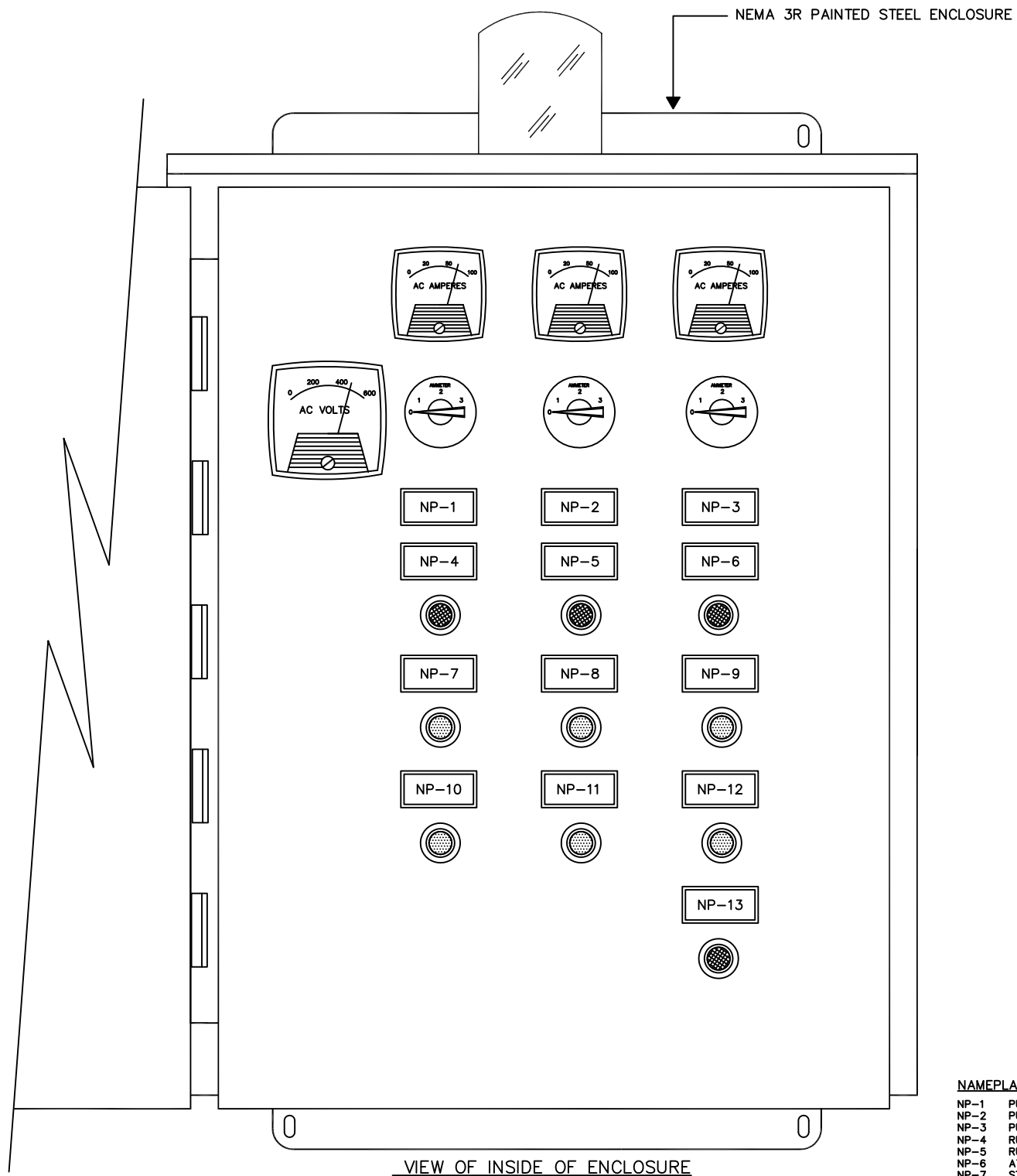
P.O. Box 77808
Baton Rouge, LA
70809

Ph. (225)756-3271
Fax (225)755-1030



* REMOVE JUMPER AND INSTALL LOCKOUT DEVICES IF REQUIRED

E 03/05	Drawing Title						
	CONTROL DIAGRAM						
	Project Title					PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL					DRAWING NUMBER	
						CP-2052	
						SHEET NUMBER	
						3	



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

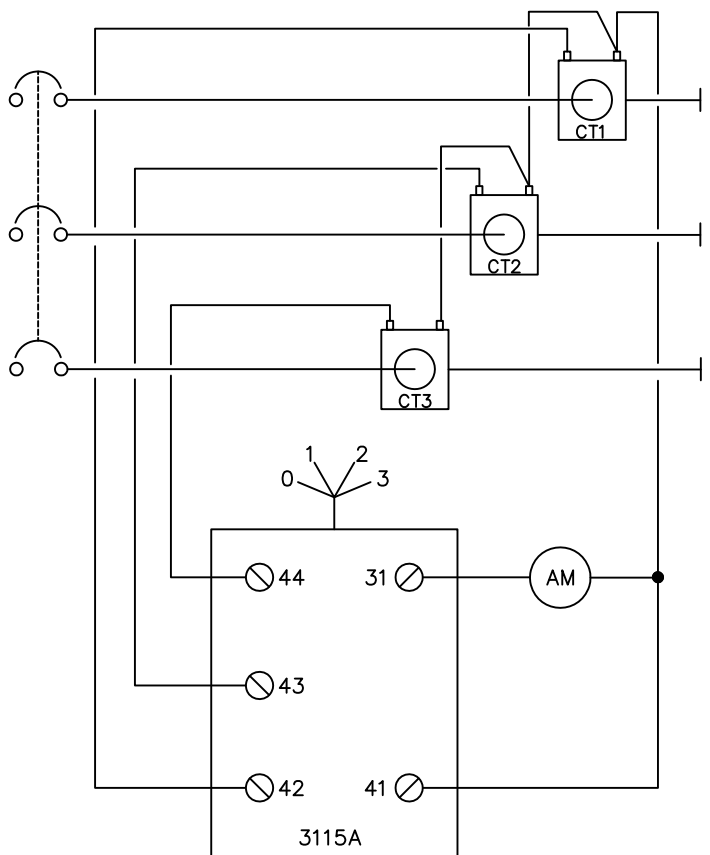
NAMEPLATE SCHEDULE	
NP-1	PUMP 1
NP-2	PUMP 2
NP-3	PUMP 3
NP-4	RUN
NP-5	AT SPEED
NP-6	START
NP-7	START
NP-8	START
NP-9	STOP
NP-10	STOP
NP-11	STOP
NP-12	STOP
NP-13	SOFT START CALL

DATE 5/03/05	Drawing Title								
	ENCLOSURE								
		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
		S/N		Sales Engineer		Application Engineer		DRAWN	
				C.C.		R.C.		BY C. RACHAL	
								APPROVED	
								BY	
								DATE	
	Project Title							PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL								
								DRAWING NUMBER	
								CP-2052	
								SHEET NUMBER	
								4	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	302410REPL	ENCLOSURE
1a	1	EBE	A3024P	BACKPLATE
1b	1	EBE	A3024SP	DEAD FRONT
2	1	ABB	A26-30-10-84	MOTOR STARTER 1
3	1	ABB	TA25DU25	O.L. RELAY 1 (18-25A)
4	1	ABB	S1N050TL	CIRCUIT BREAKER
5	1	SQUARE D	9070TF150D1	CONTROL TRANSFORMER
6	6	ACI	JR22AN1B	PUSH BUTTON
7	3	ACI	JR22FR	RED PILOT LIGHT
8	1	AC/DC	BL5R-120	ALARM LIGHT
9	9	ITE	5SFT50-5	CURRENT TRANSFORMER
10	3	YOKAGOWA	250240LSNT (0-50)	AMMETER
11	1	TRIPLETT	1953ACV600P21	VOLTMETER
12	3	ITE	3115A	CT SWITCH
13	1	ABB	TA42DU42	O.L. RELAY 2 (29-42A)
14	1	ABB	A40-30-10-84	MOTOR STARTER 2
15	1	ABB	S1N070TL	CB2
16	1	SQUARE D	ATS01N272LY	SOFT START
17	1	ABB	TA75DU52	O.L. RELAY 3 (35-52A)
18	1	ABB	S1N090TL	CB3
19	1	SSAC	FS126	FLASHER
20	1	SSAC	PLMU-11	PHASE MONITOR
21	1	MARATHON	1323580	DISTRIBUTION BLOCK
22	1	ACI	JR22FY	AMBER PILOT LIGHT
23				
24				

	Drawing Title							
	<h3 style="margin: 0;">BILL OF MATERIALS</h3>							
DATE 5/03/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b style="font-size: 1.5em;">COX <small>Research and Technology, Inc.</small> </div>			<small>P.O. Box 77808 Baton Rouge, LA 70809</small> <small>Ph. (225)756-3271 Fax (225)755-1030</small>		<small>PURCHASE ORDER NUMBER</small> <small>DRAWING NUMBER</small> CP-2052 <small>SHEET NUMBER</small> 5	
	Project Title							
	<h3 style="margin: 0;">TRIPLEX PUMP CONTROL PANEL</h3>							



	Drawing Title							
	AMMETER CONNECTIONS							
DATE 5/03/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title	DRAWN BY C. RACHAL			APPROVED BY DATE			
	TRIPLEX PUMP CONTROL PANEL	PURCHASE ORDER NUMBER						
		DRAWING NUMBER CP-2052						
		SHEET NUMBER			6			