
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

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	3	
HP	20,30,40	
FLA	24,35,45	
TYPE OF PUMP	Above Ground	(Self-Priming, Submersible)
MANUFACTURER	Baldor	
CATALOG NUMBER	JPM2514T, JPM2534T, JPM2538T	

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

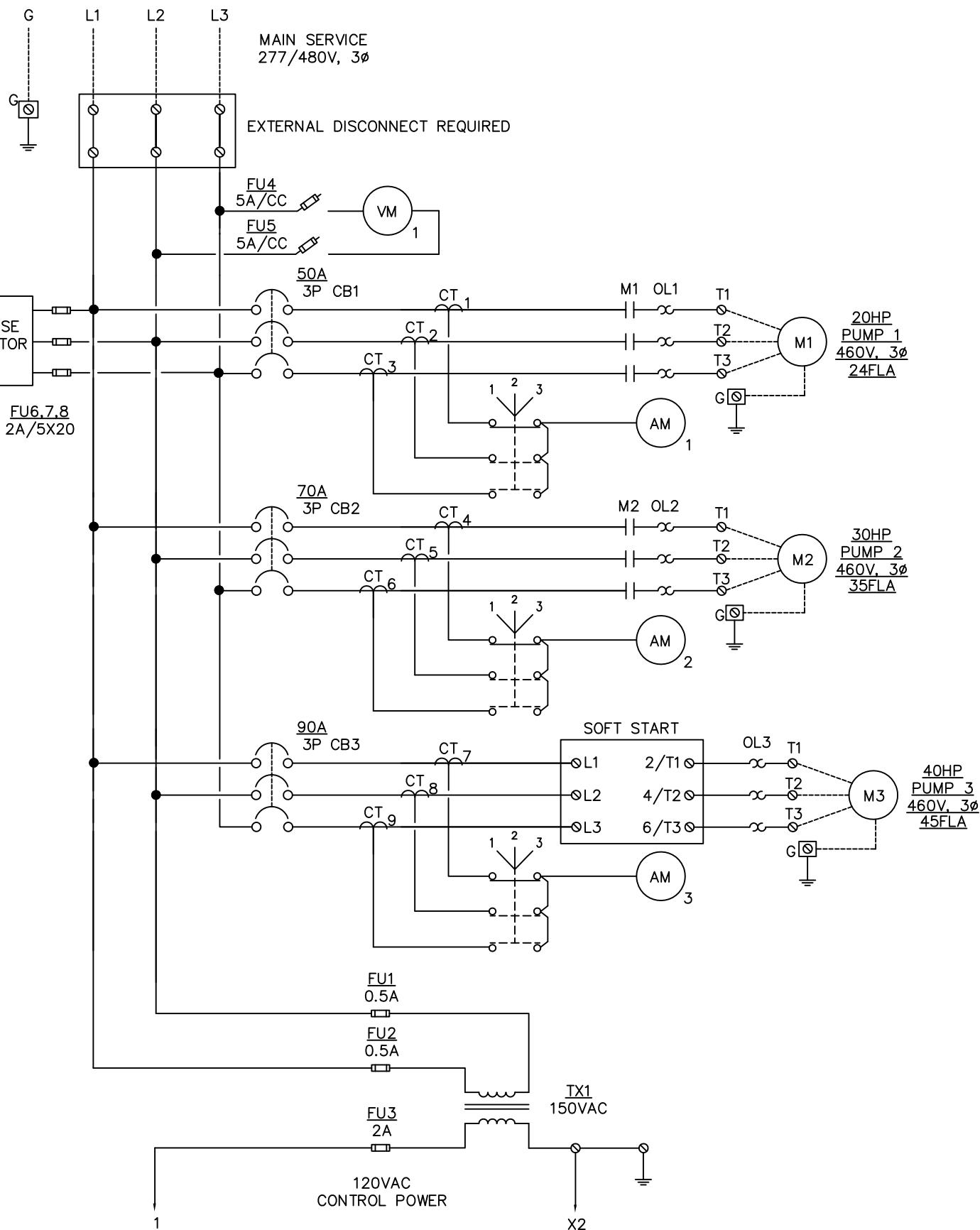
OPTIONS:

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		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
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		
ECONOMY VERSION		

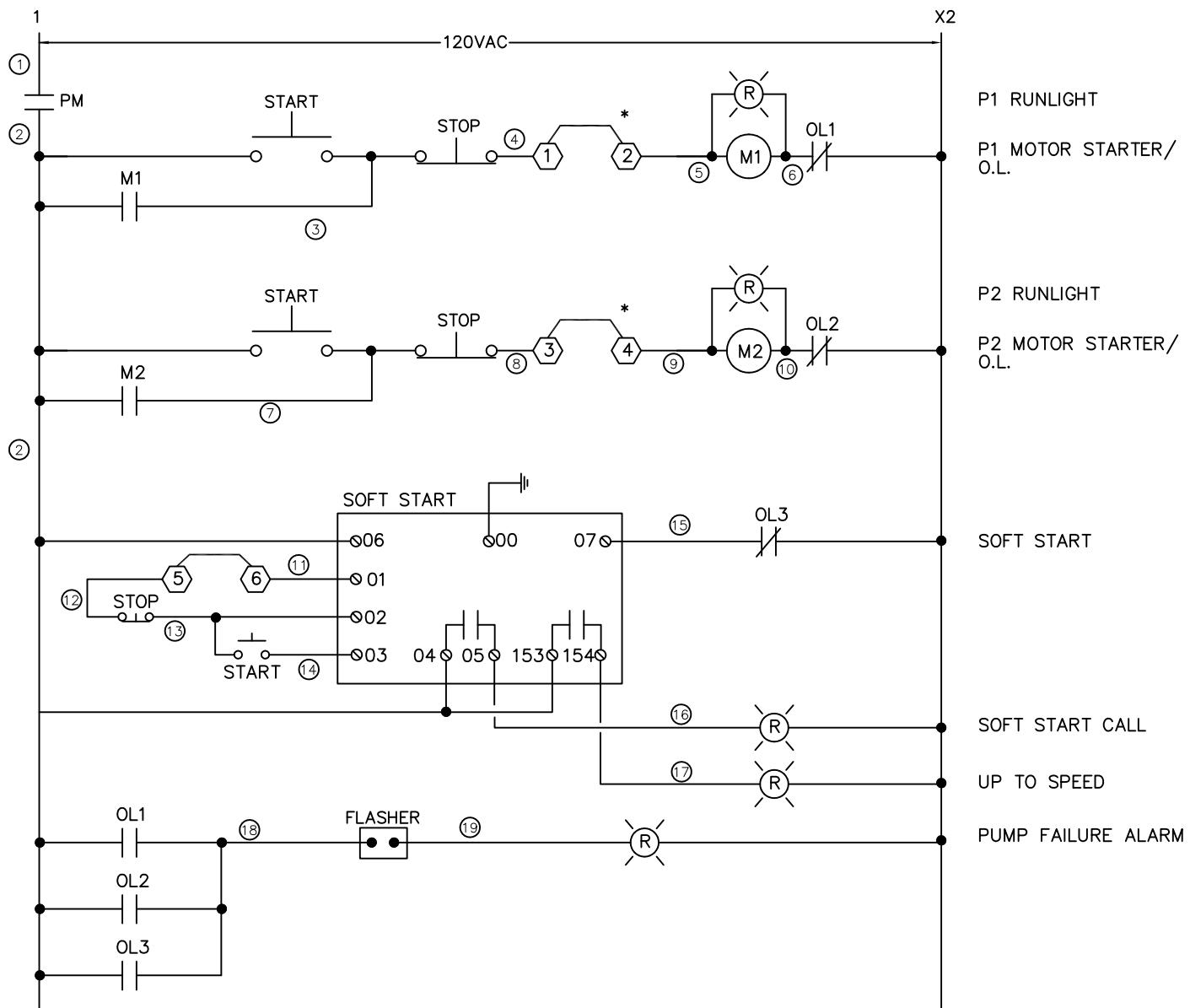
SOLD TO: Irrigation Mart
 TAG : Homer, LA
 Triplex Control Panel

SHIP TO:

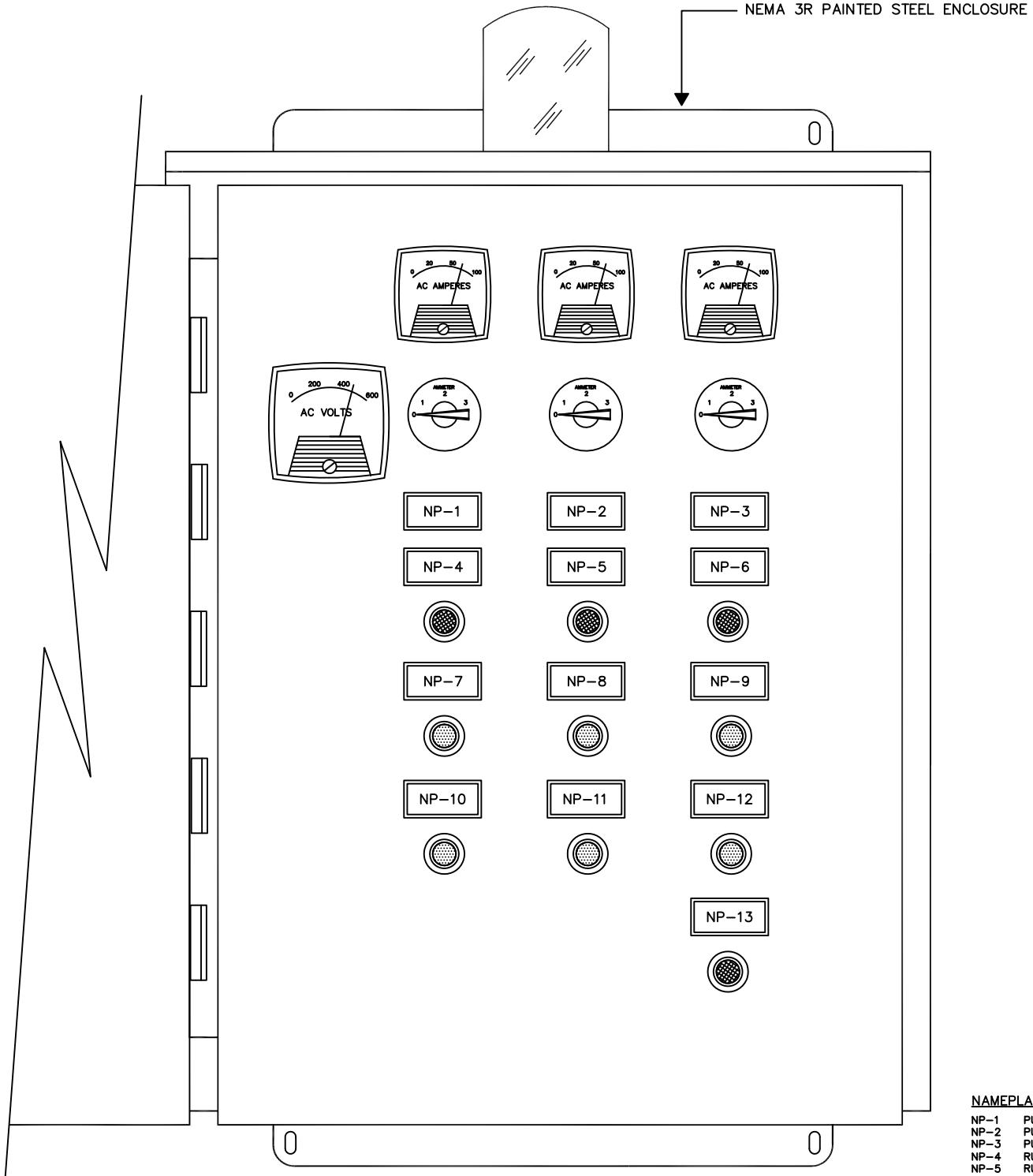
	Drawing Title									
	PANEL DESCRIPTION									
			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 5/03/05	S/N	Sales Engineer	Application Engineer		DRAWN			APPROVED		
	C.C.		R.C.		BY C. RACHAL		BY	DATE		
	Project Title	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809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



	Drawing Title						
	POWER DIAGRAM						
DATE 5/03/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE		
Project Title TRIPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2052 SHEET NUMBER 2		



E 33/05	Drawing Title					
	CONTROL DIAGRAM					
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	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY
Project Title						
TRIPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
		Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2052			
			SHEET NUMBER 3			



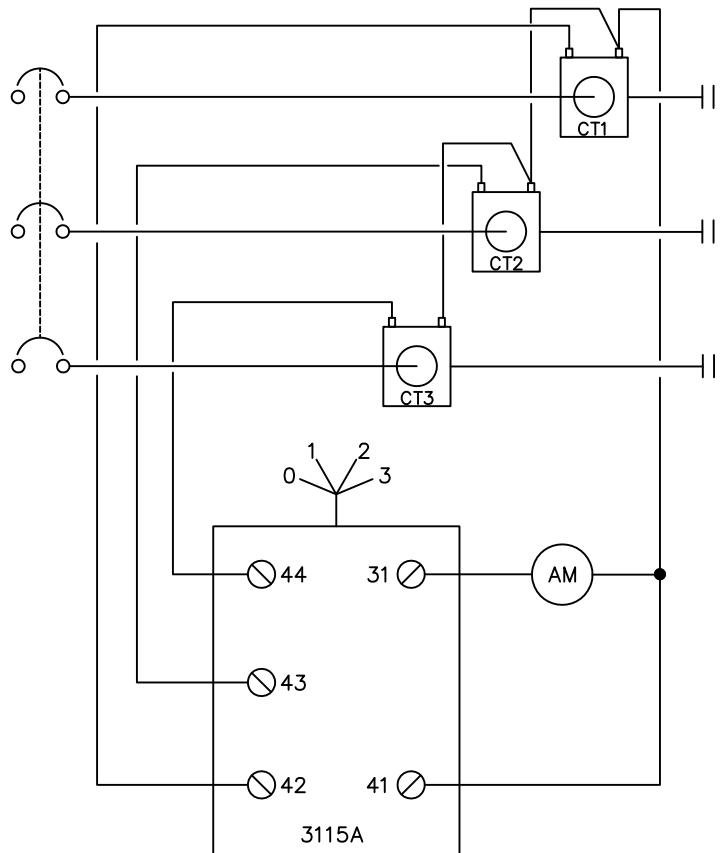
NOTE:
SEWER GASES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASES.

	Drawing Title						
	ENCLOSURE						
DATE 5/03/05	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	BY
		C.C.	R.C.	BY C. RACHAL	BY		DATE
Project Title TRIPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.				P.O. Box 77808 Baton Rouge, LA 70809		
					Ph. (225)756-3271 Fax (225)755-1030		
					PURCHASE ORDER NUMBER		
					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	TRIPPLETT	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							
	BILL OF MATERIALS							
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE
DATE 5/03/05			S/N	Sales Engineer	Application Engineer	DRAWN	BY	APPROVED
				C.C.	R.C.	BY C. RACHAL	BY	DATE
	Project Title		COX		PURCHASE ORDER NUMBER			
	TRIPLEX PUMP CONTROL PANEL		Research and Technology, Inc.		DRAWING NUMBER CP-2052			
					SHEET NUMBER 5			



	Drawing Title AMMETER CONNECTIONS				
DATE 5/03/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
	Project Title TRIPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2052 SHEET NUMBER 6	