
COX

Research and Technology, Inc.

SIMPLEX PUMP CONTROL PANEL TOWN OF OBERLIN

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

CP-1953

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	1	
HP	60	
FLA	77	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	Crown	
CATALOG NUMBER		
CONTROL VOLTAGE	24V	(120V, Other)
ENCLOSURE	NEMA 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(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:

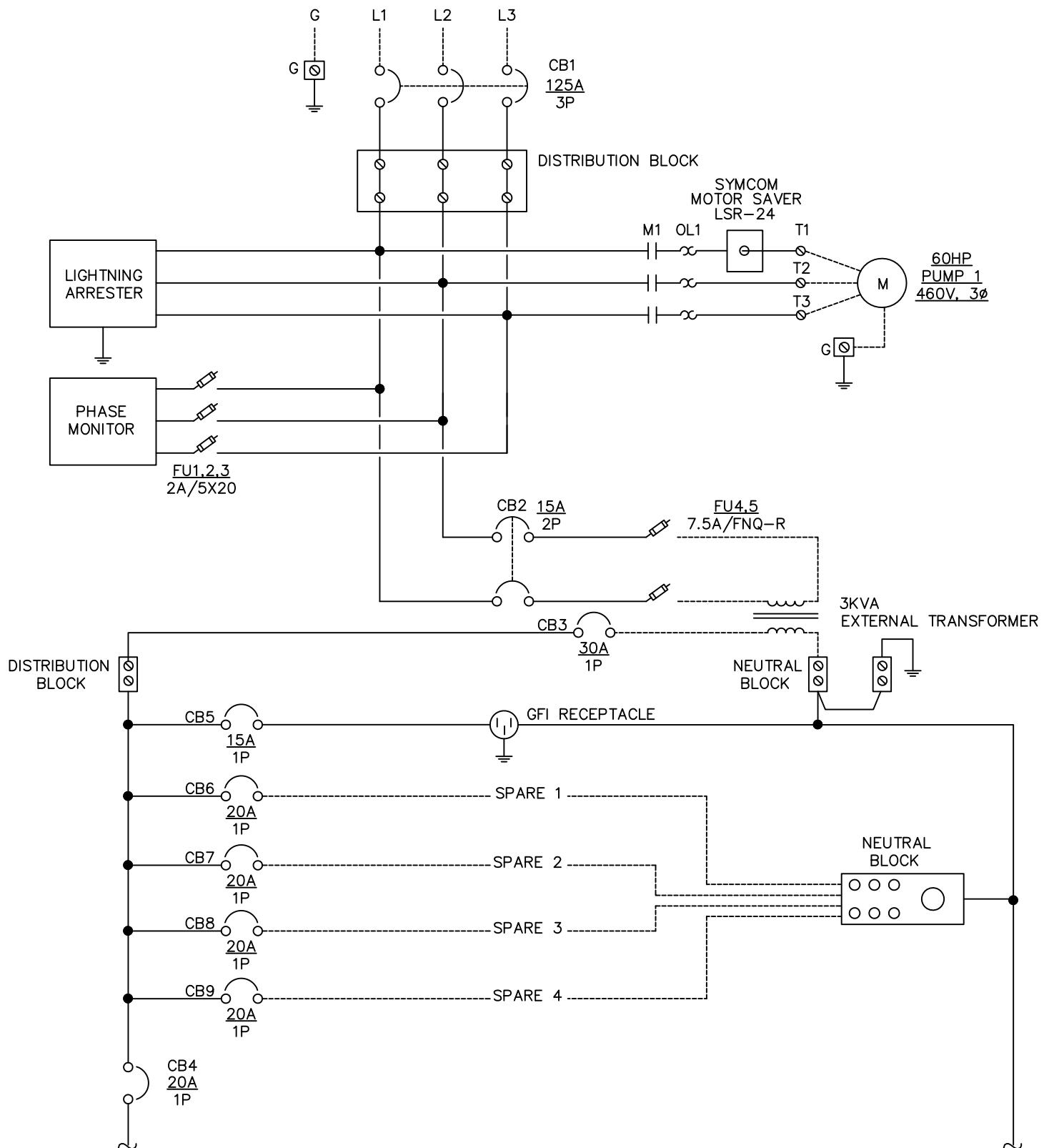
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR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

SOLD TO: Delta Process - Ruston, LA
TAG : TOWN OF OBERLIN

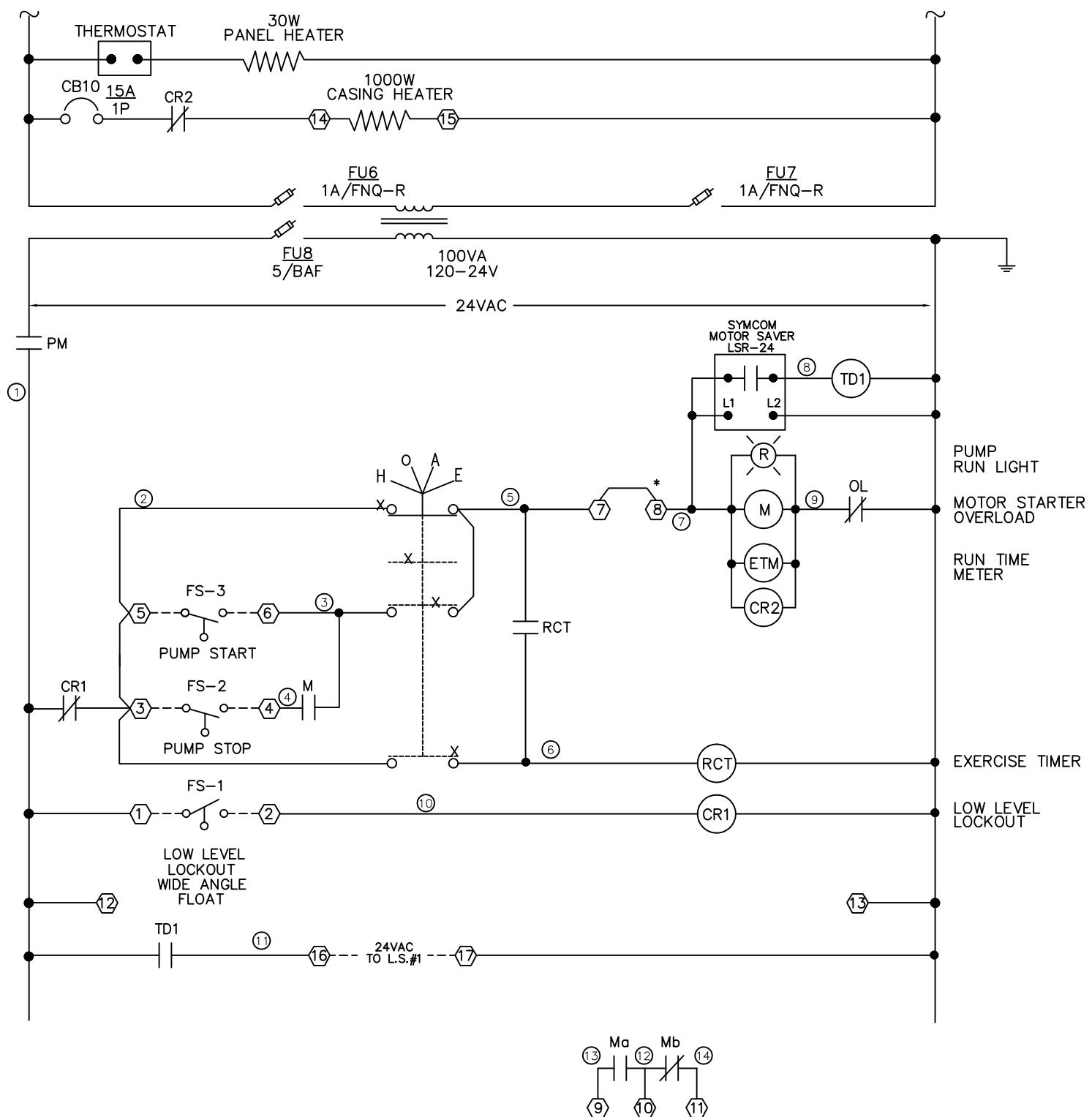
SHIP TO: Delta Process - Ruston, LA

	Drawing Title PANEL DESCRIPTION						
DATE 11/12/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN APPROVED BY	DATE DATE
	Project Title SIMPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <hr/> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1953	
					Ph. (225)756-3271 Fax (225)756-1030	SHEET NUMBER 1	

MAIN SERVICE
277/480V, 3Ø

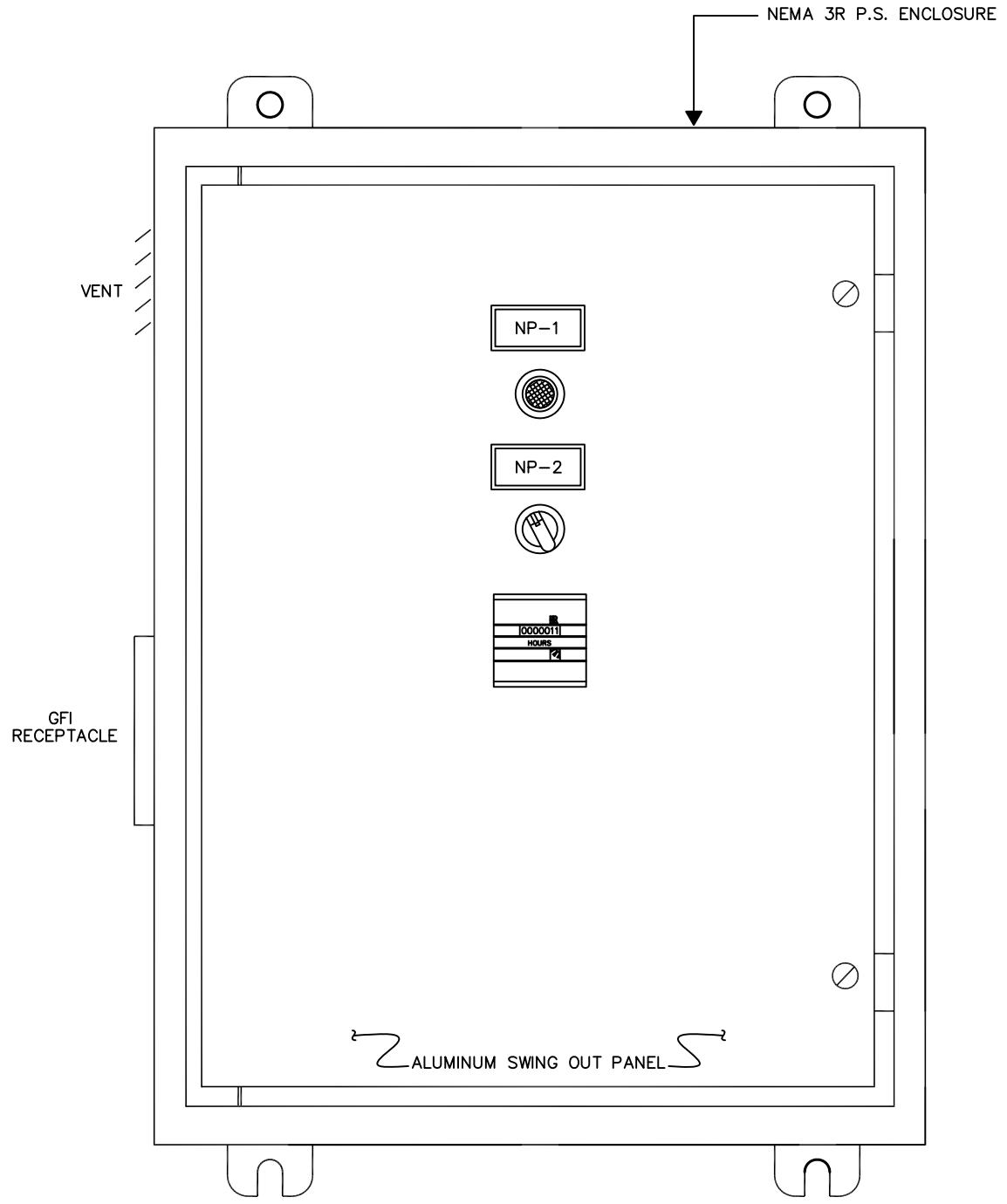


	Drawing Title					
	POWER DIAGRAM					
DATE 11/12/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE	BY
Project Title SIMPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1953 SHEET NUMBER 2			



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title CONTROL DIAGRAM DATE 11/12/04					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
	Project Title SIMPLEX PUMP CONTROL PANEL		<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1953	SHEET NUMBER 3



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

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

DATE 11/12/04	Drawing Title ENCLOSURE	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE

NP-1 PUMP RUN
NP-2 HAND-OFF-AUTO-EXERCISE

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					DRAWING NUMBER CP-1953
					SHEET NUMBER 4

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	302410REPL	NEMA 3R P.S. ENCL.
1a	1	EBE	A3024P	BACKPLATE
1b	1	EBE	A3024SP	SWING PANEL
2	1	ABB	S3N125TW	CB1
3	1	BUSSMAN	16332-3	DISTRIBUTION BLOCK
4	1	BUSSMAN	CPDB-3	DIST. BLOCK COVER
5	1	ABB	A95-30-11-84	MOTOR STARTER
6	1	ABB	TA110DU90	O.L. (65-90A)
7	1	SYMCOM	MOTOR SAVER LSR-24	LOAD MONITOR
8	1	DELTA	LA603	LIGHTNING ARRESTER
9	1	SSAC	PLMU-11	PHASE MONITOR
10	1	ABB	S3N015TW	CB2
11	1	SQUARE D	3S1F	3KVA TRANSFORMER
12	1	SQUARE D	QOU130	CB3
13	3	MARATHON	1321580	DISTRIBUTION BLOCK
14	2	SQUARE D	QOU115	CB4,5
15	4	SQUARE D	QOU120	CB6-9
16	1	DAYTON	4BA54	30W CONDENSATION HEATER
17	2	ABB	CAL5-11	AUXILIARY CONTACTS
18	1	SQUARE D	9070TF100D1	120-24V TRANSFORMER
19	1	A-B	800H-NR2KF4AAXX	4 POSITION SWITCH
20	1	A-B	800H-QR10R	RED PILOT LIGHT
21	1	REDINGTON	711-0182	ETM
22	1	IDECK	RU2SA110	CR1
23	1	OMRON	H3CRF8300	REPEAT CYCLE TIMER
24	1	OMRON	H3YN2AC24	TD1

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 11/12/04			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
				C.C.	R.C.	BY C. RACHAL	BY	DATE	
	Project Title		COX			PURCHASE ORDER NUMBER			
	SIMPLEX PUMP CONTROL PANEL		Research and Technology, Inc.			DRAWING NUMBER CP-1953			
						SHEET NUMBER 5			