
COX

Research and Technology, Inc.

DELTA DOWNS
WATER TREATMENT PLANT
SERVICE PUMP 1
CONTROL PANEL

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

CP-1885

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>1</u>	
HP	<u>50</u>	
FLA	<u>67.7A</u>	
TYPE OF PUMP	<u>Submersible</u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 3R</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Stainless Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u></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>X</u>	
ELAPSED TIME METER	<u>X</u>	
PHASE MONITOR	<u>X</u>	
NEMA RATED STARTERS	<u>X</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>	

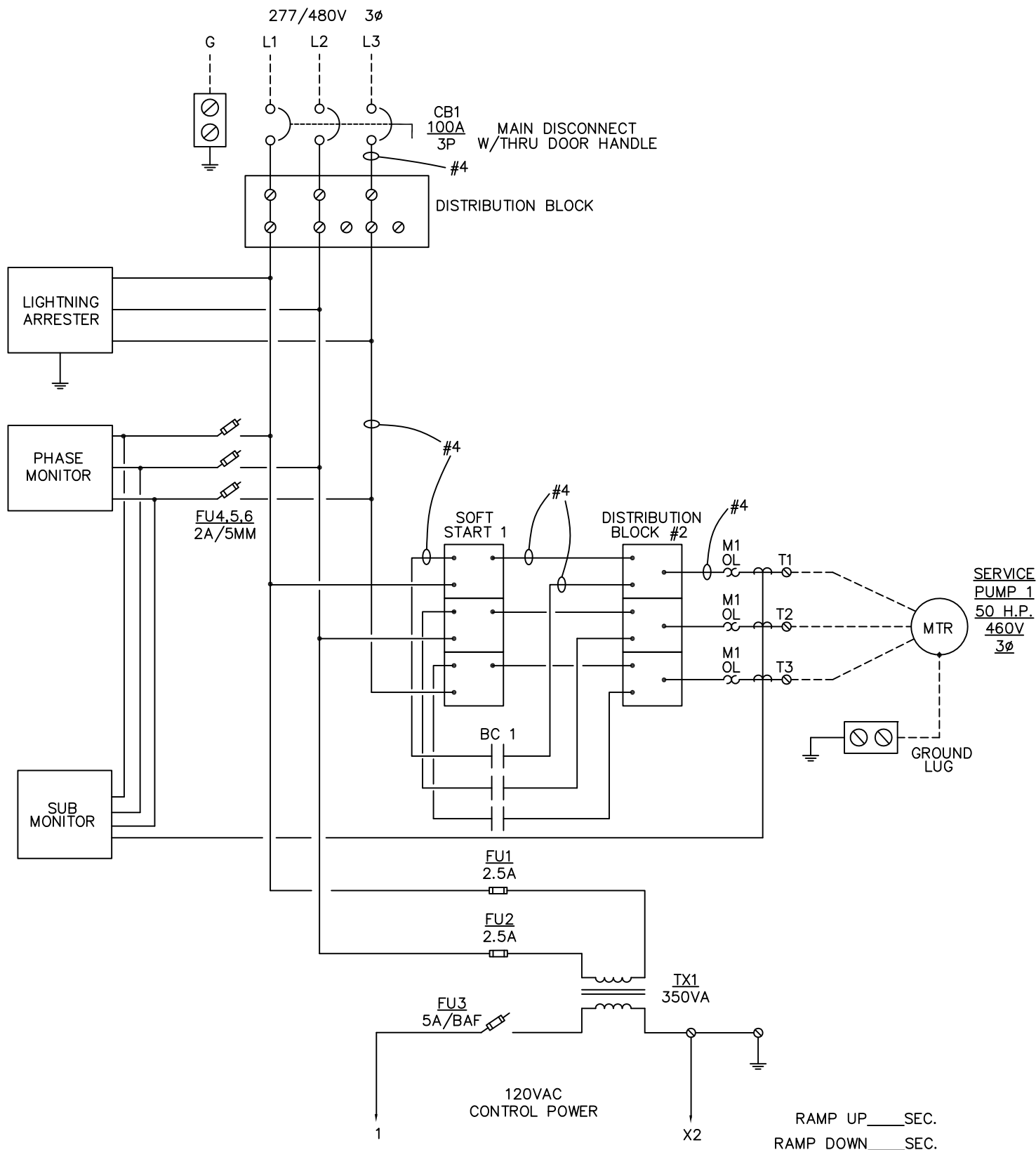
SOLD TO:

TAG : Delta Downs Water Treatment Plant

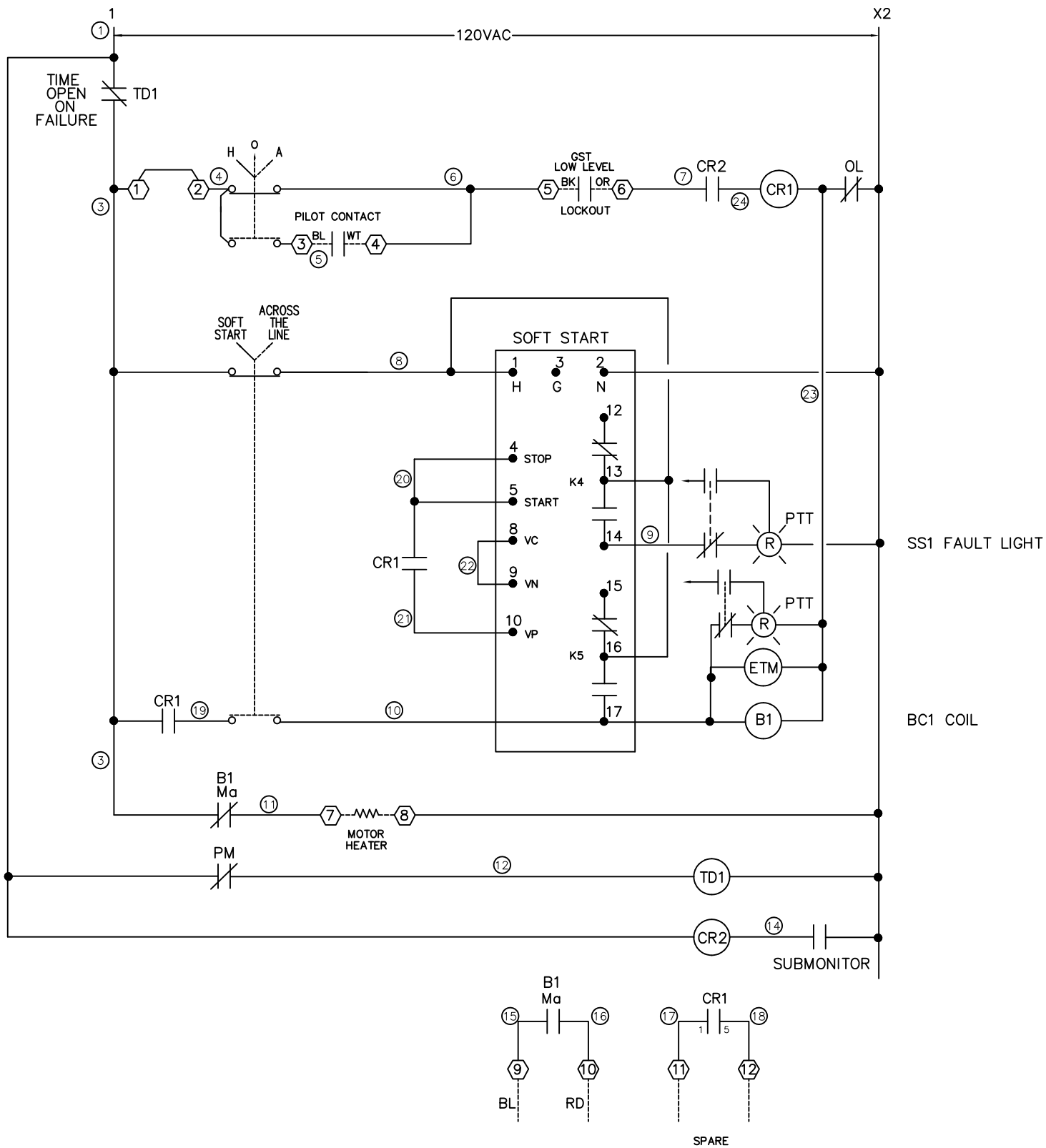
Service Pump 1

SHIP TO:

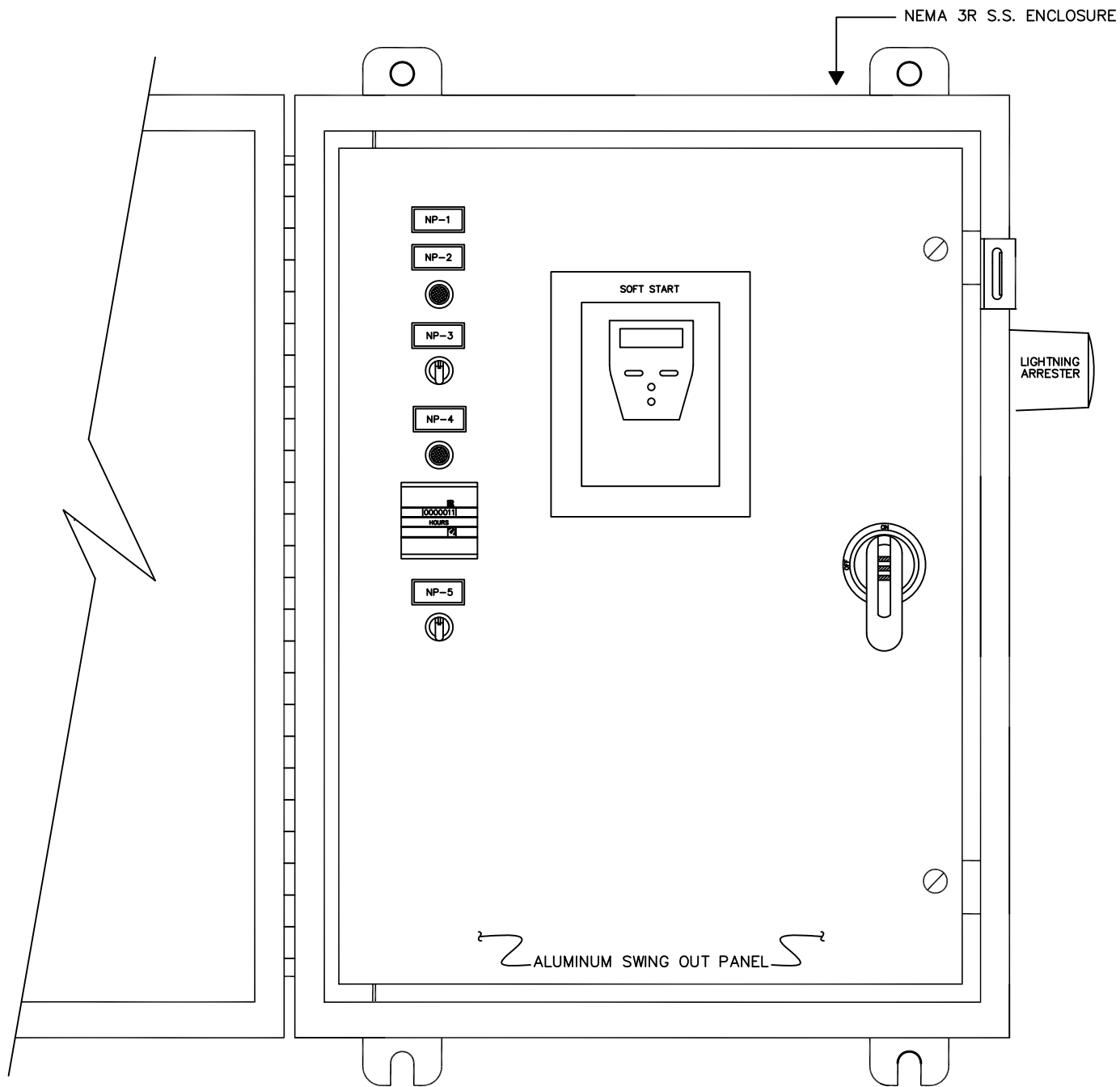
	Drawing Title						
	PANEL DESCRIPTION						
9/02/04 8/31/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;">  COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	SERVICE PUMP 1 CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1885
							SHEET NUMBER 1



	Drawing Title								
	POWER DIAGRAM								
DATE	9/02/04	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	BY	DATE	PURCHASE ORDER NUMBER	
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809		DRAWING NUMBER CP-1885		
	SERVICE PUMP 1 CONTROL PANEL	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030		SHEET NUMBER 2		



	Drawing Title								
	POWER DIAGRAM								
DATE	9/02/04	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	BY	DATE		
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
	SERVICE PUMP 1 CONTROL PANEL	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1885		
							SHEET NUMBER 3		



VIEW OF SWING OUT PANEL

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
NP-2	RUN
NP-3	HOA
NP-4	SOFT START FAULT
NP-5	SOFT START/ACROSS THE LINE

DATE 9/02/04	Drawing Title							
	ENCLOSURE							
REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE	BY
S/N		Sales Engineer C.C.		Application Engineer R.C.		DRAWN BY C. RACHAL		APPROVED BY
Project Title								PURCHASE ORDER NUMBER
SERVICE PUMP 1 CONTROL PANEL								DRAWING NUMBER CP-1885
								SHEET NUMBER 4

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S302410REPL	ENCLOSURE
1a	1	EBE	3024P	BACKPLATE
1b	1	EBE	A3024SP	DEAD FRONT
2	1	ABB	S3N100TW	CB1 480V 3P 100A
3	1	ABB	TA75DU80	O.L. RELAY (60-80A)
4	1	ABB	PST72-600-70	SOFT START
5	1	ABB	DB80	MOUNT KIT FOR O.L.
6	1	ABB	75N3-30-11-84	BYPASS CONTACTOR
7	2	MARATHON	1323580	DISTRIBUTION BLOCK
8	1	DELTA	LA603	LIGHTNING ARRESTER
9	1	SSAC	PLMU-11	PHASE MONITOR
10	2	A-B	800H-QRT10R	RED PTT LIGHT
11	1	A-B	800H-JR2A	HOA SWITCH
12	1	REDINGTON	711-0190	ETM
13	1	OMRON	MK3PN5SAC120	CR1
14	1	OMRON	H3YN2AC120	TD1
15	1	A-B	800H-HR2A	2 POSITION SWITCH
16	1	FRANKLIN ELECTRIC	SUBMONITOR	PUMP PHASE PROTECTION
17	1	ABB	K5VDM	MECHANISM
18	1	ABB	OX10X500	SHAFT
19	1	ABB	OHB65J10	HANDLE
20	2	ABB	K4TC	LUGS FOR C.B.
21	1	ABB	T4350PSF1	TRANSFORMER W/COVERS
22	2	ABB	K4LCH	SHROUD FOR C.B.
23	1	ABB	CAL5-11	AUX. CONTACT
* 24	1	SIEMENS	3RW3046-1AB14	SOFT START
* 25	1	SIEMENS	CQD 3100	CB1
* 26	1	SIEMENS	RHOCQVD	THRU DOOR HANDLE
* 27	1	SIEMENS	40HP32A	BYPASS CONTACTOR
* 28	1	SIEMENS	48BSK3M10	O.L.
29				

* ALTERNATE MATERIALS

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 9/02/04		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="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <h3 style="margin: 0;">COX</h3> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>			<p style="margin: 0; font-size: small;">P.O. Box 77808 Baton Rouge, LA 70809</p> <p style="margin: 0; font-size: small;">Ph. (225)756-3271 Fax (225)756-1030</p>		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1885 SHEET NUMBER 5
	SERVICE PUMP 1 CONTROL PANEL						