
COX

Research and Technology, Inc.

DELTA DOWNS
WATER TREATMENT PLANT
WELL 2
CONTROL PANEL

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	1	
HP	40	
FLA	52	
TYPE OF PUMP		
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Remote Contact	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

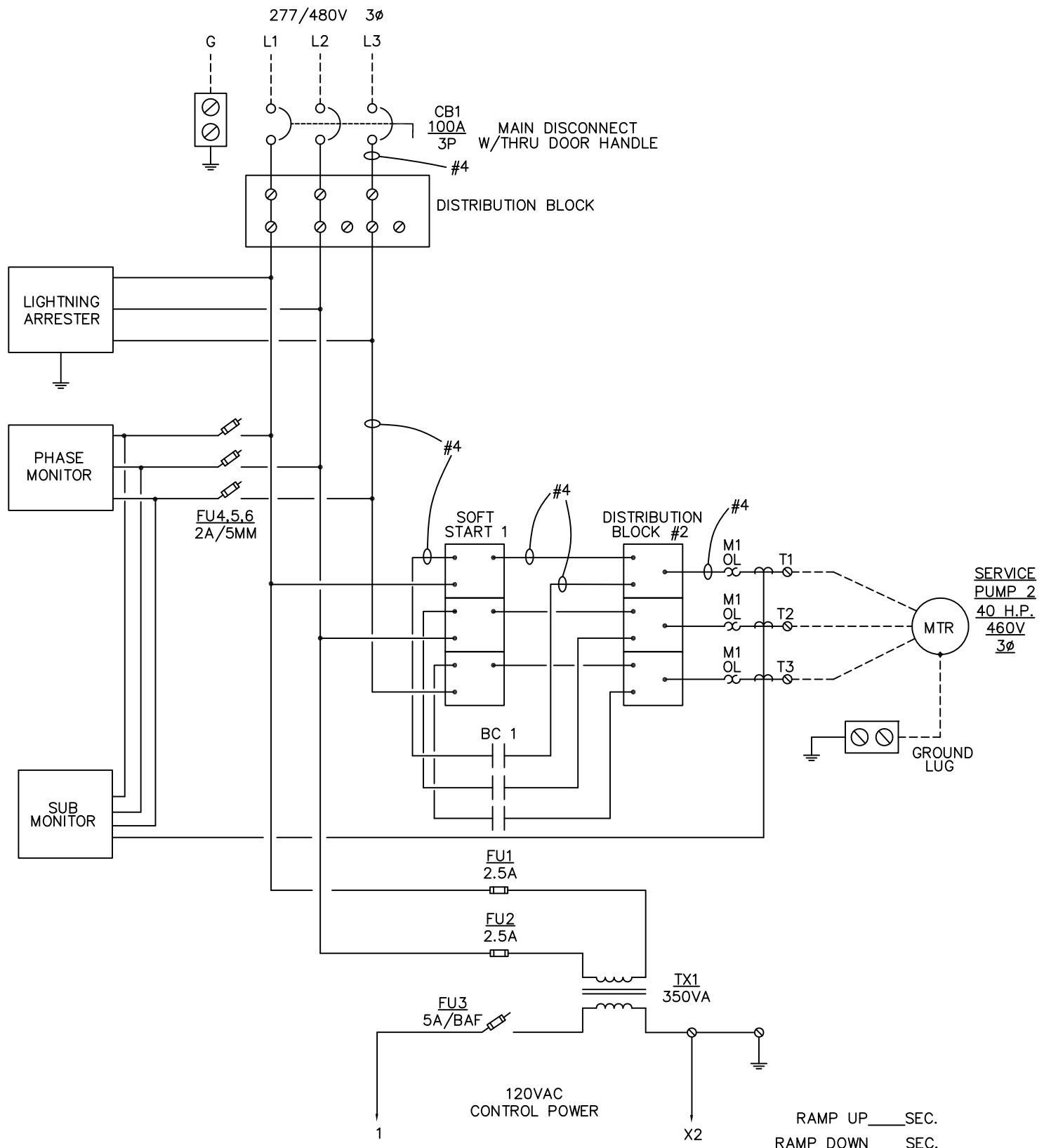
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS	X	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO:

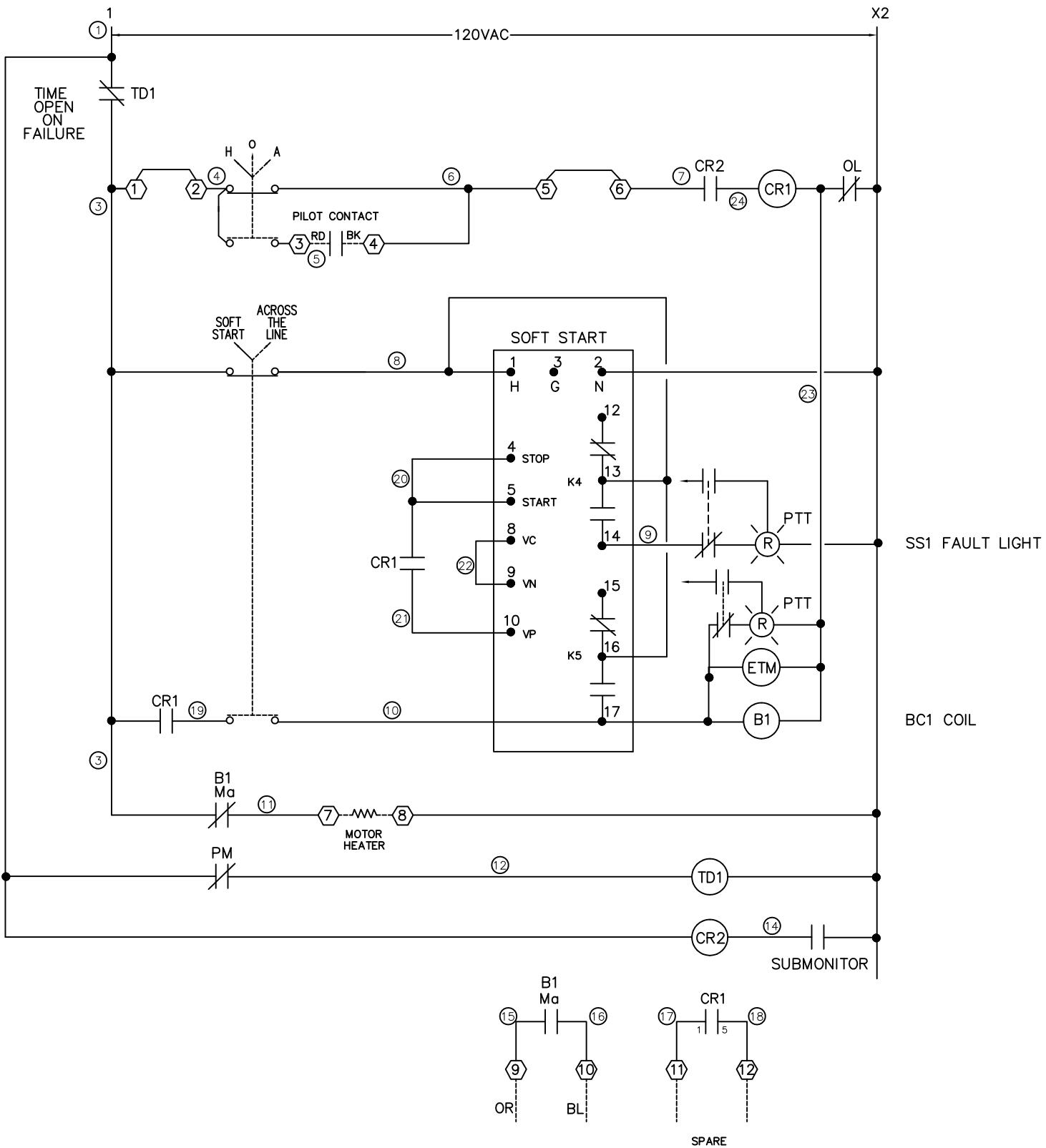
TAG : Delta Downs Water Treatment Plant
Well 2

SHIP TO:

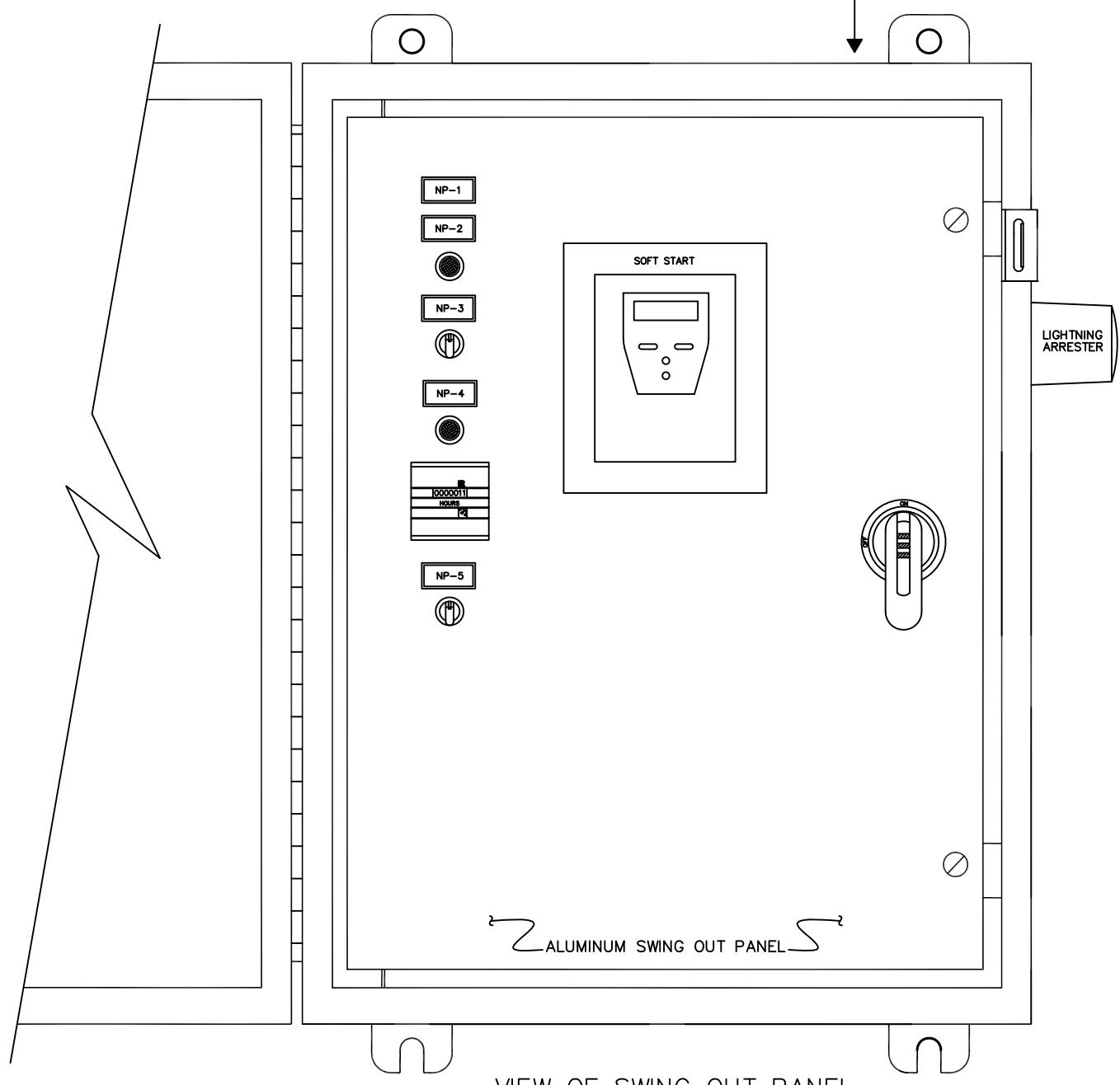
	Drawing Title PANEL DESCRIPTION								
		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY		
9/02/04 8/31/04	Project Title WELL 2 CONTROL PANEL	<u>COX</u> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1887 SHEET NUMBER 1			



	Drawing Title									
	POWER DIAGRAM									
DATE 9/02/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE					
Project Title WELL 2 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-1887 SHEET NUMBER 2						



	Drawing Title CONTROL DIAGRAM						
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 BY
	Project Title WELL 2 CONTROL PANEL		COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1887	
						SHEET NUMBER 3	



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

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

NP-1	PUMP
NP-2	RUN
NP-3	HOA
NP-4	SOFT START FAULT
NP-5	SOFT START/ACROSS THE LINE

	Drawing Title						
	ENCLOSURE						
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY
DATE 9/02/04	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
		C.C.	R.C.	BY C. RACHAL	BY	DATE	
	Project Title		<u>COX</u> Research and Technology, Inc.		PURCHASE ORDER NUMBER		
	WELL 2 CONTROL PANEL				DRAWING NUMBER		CP-1887
			Ph. (225)756-3271 Fax (225)756-1030		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	OXP10X500	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 BILL OF MATERIALS						
	REFERENCE DRAWING S/N		NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL		ECN
DATE 9/02/04	Project Title WELL 2 CONTROL PANEL		COX <small>Research and Technology, Inc.</small>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	
					PURCHASE ORDER NUMBER DRAWING NUMBER CP-1887 SHEET NUMBER 5	