
COX

Research and Technology, Inc.

CITY OF NEW ROADS WATER WELL CONTROL PANEL

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

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>100</u>	
FLA	<u>118</u>	
TYPE OF PUMP		
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Stainless Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR		(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE		

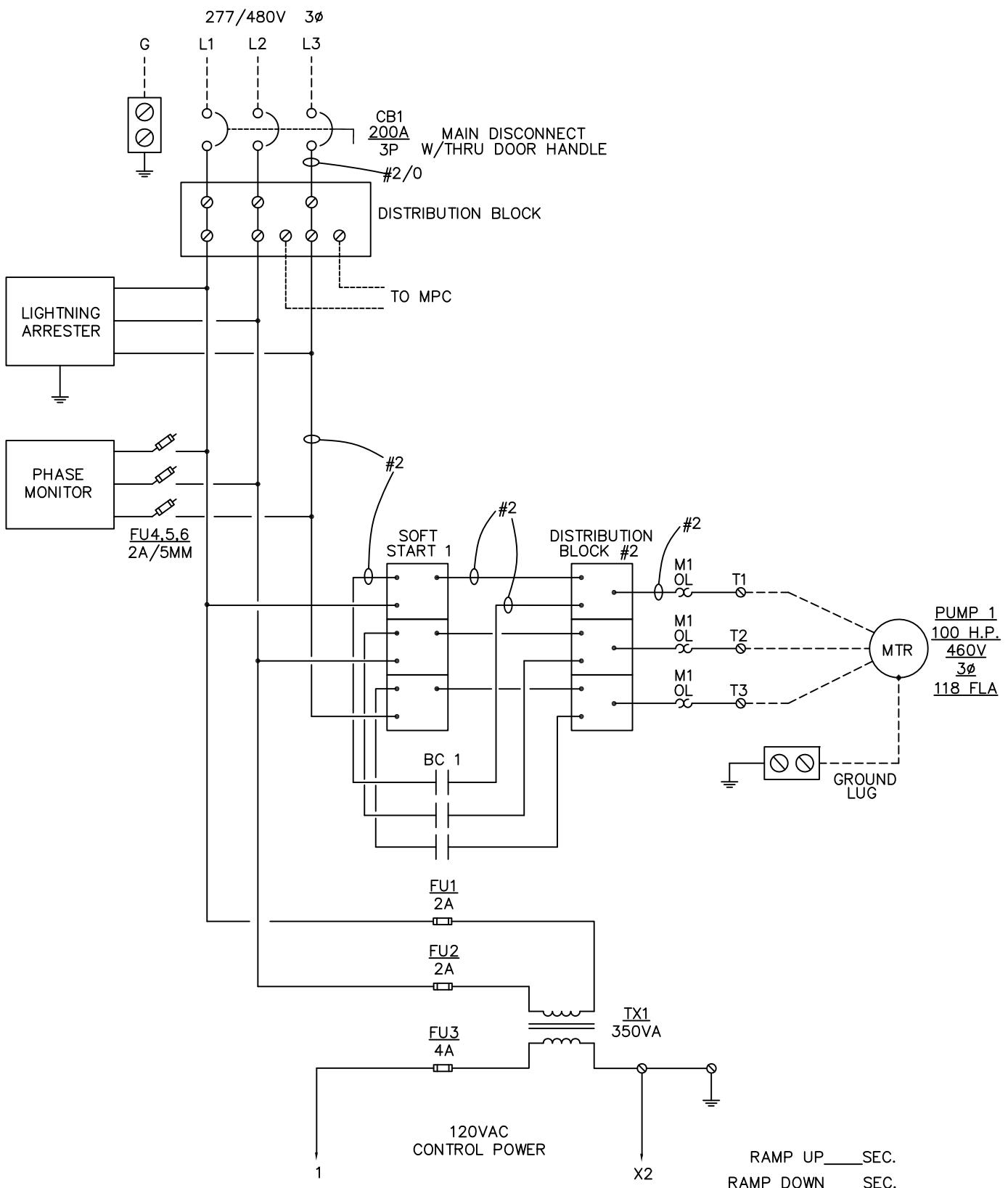
OPTIONS:

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	<u>X</u>	
ELAPSED TIME METER	<u>X</u>	
PHASE MONITOR	<u>X</u>	
NEMA RATED STARTERS	<u>X</u>	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

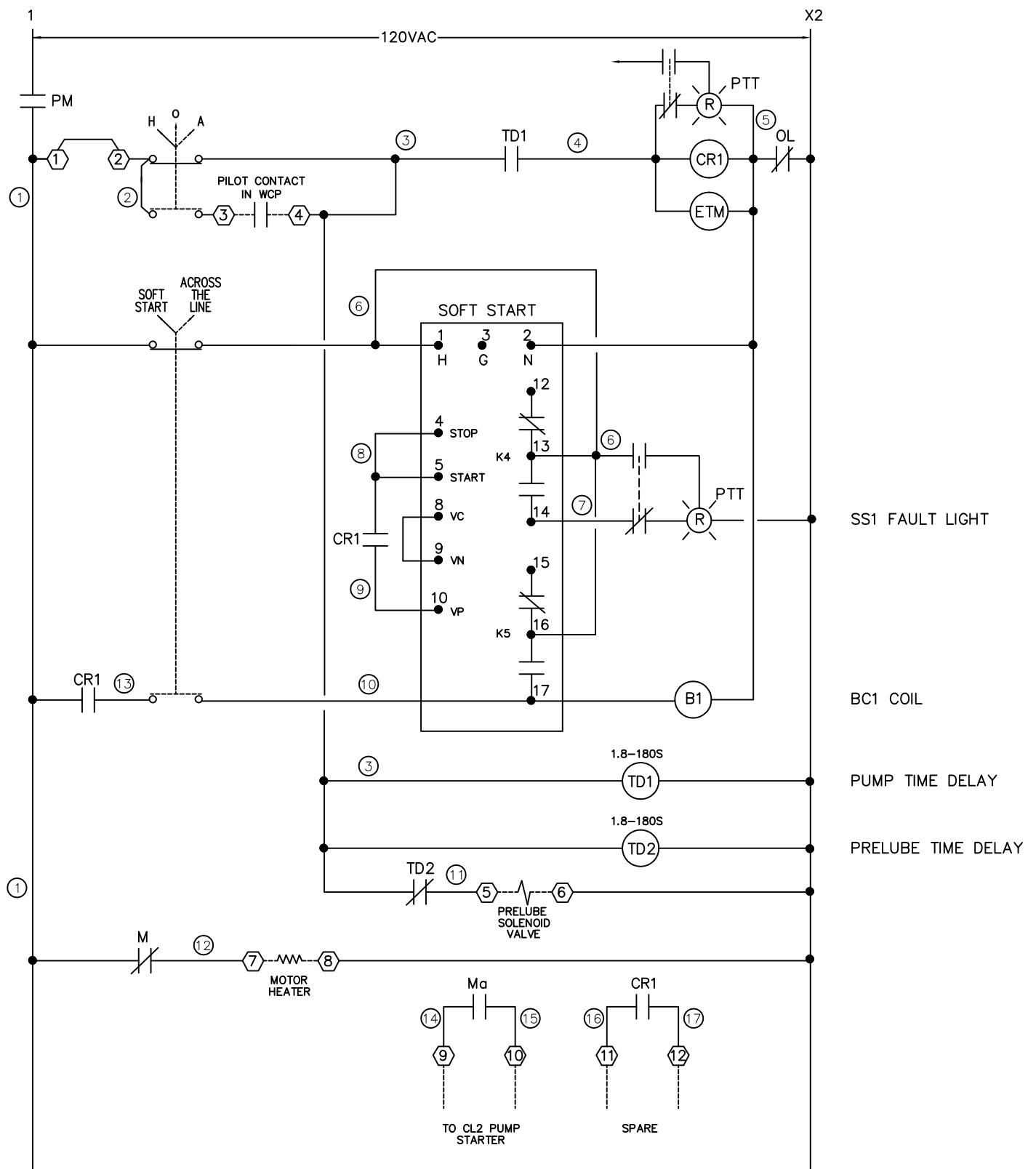
SOLD TO: Layne Christensen
TAG : New Roads Water Well Control Panel

SHIP TO: Layne Christensen

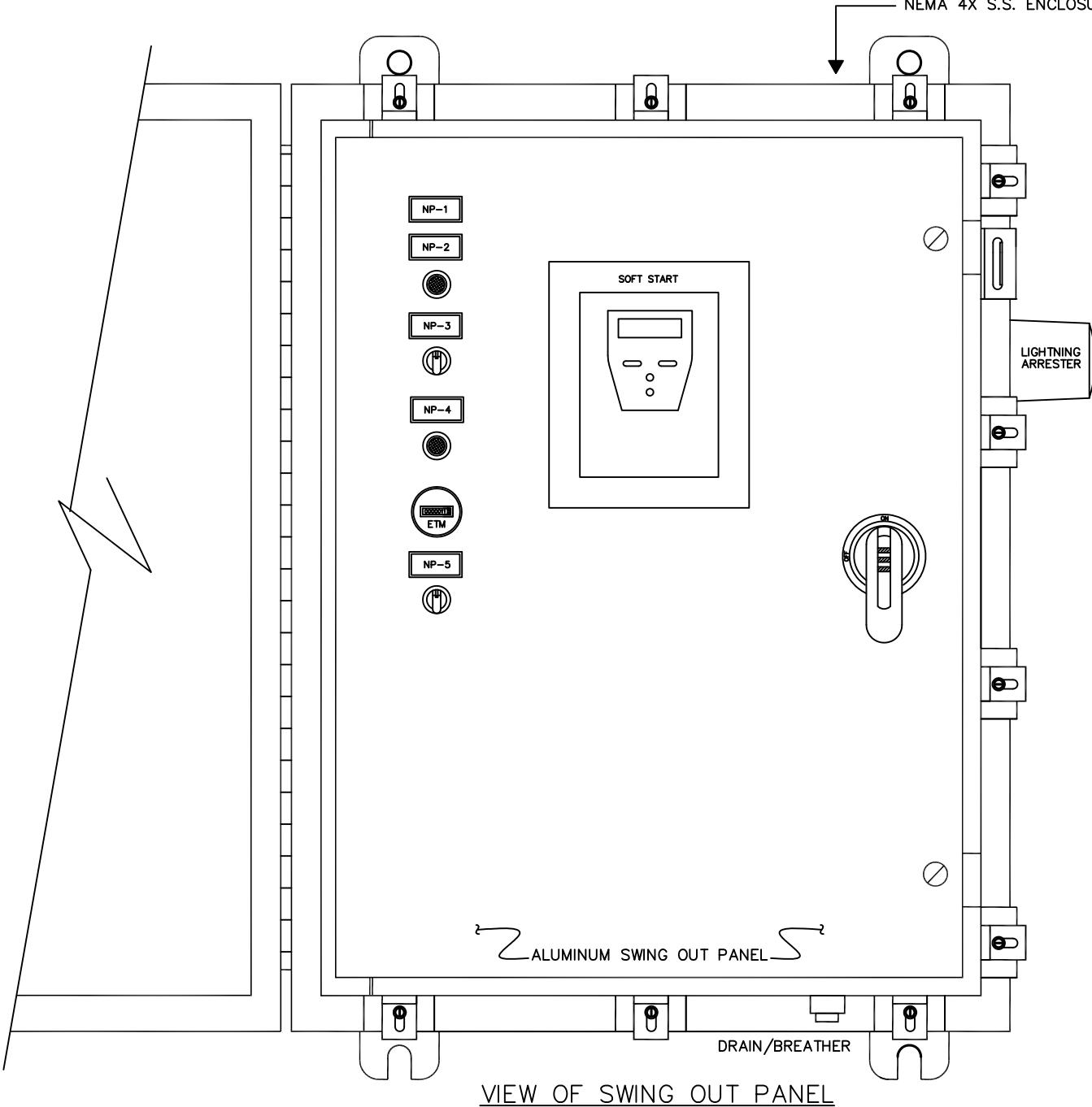
	Drawing Title							
	PANEL DESCRIPTION							
			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
DATE 5/11/04	S/N	Sales Engineer	Application Engineer		DRAWN	BY C. RACHAL	BY	APPROVED
	C.C.		R.C.				DATE	
	Project Title					P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	WATER WELL CONTROL PANEL		<u>COX</u> Research and Technology, Inc.				DRAWING NUMBER CP-1796	
							SHEET NUMBER 1	



	Drawing Title POWER WIRING				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE
DATE 5/11/04		Application Engineer R.C.			
	Project Title WATER WELL 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-1796 SHEET NUMBER 2	



	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN
	S/N	Sales Engineer	Application Engineer	DRAWN	DATE APPROVED
DATE 5/11/04	C.C.	R.C.	BY C. RACHAL	BY	DATE
	Project Title WATER WELL 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-1796 SHEET NUMBER 3	



NAMEPLATE SCHEDULE

NOTE:

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

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

	Drawing Title						
	ENCLOSURE						
DATE 5/11/04	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
		C.C.	R.C.	BY C. RACHAL		BY	DATE
	Project Title		<hr/> COX <hr/> Research and Technology, Inc. <hr/>		PURCHASE ORDER NUMBER		
	WATER WELL CONTROL PANEL						
					DRAWING NUMBER		
			CP-1796				
					SHEET NUMBER		
					4		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S423016N4X	ENCLOSURE
1a	1	EBE	4230P	BACKPLATE
1b	1	EBE	A4230SP	DEAD FRONT
2	1	ABB	S3N200TW	CB1 480V 3P 200A
3	1	ABB	TA200DU150	O.L. RELAY (110-150A)
4	1	ABB	PST142-600-70	SOFT START
5	2	ABB	PSLK-185	TERMINAL LUG KIT FOR S.S.
6	3	ABB	LT185-AL	TERMINAL SHROUD FOR S.S. LOAD & B.C.
7	1	ABB	LT200A185	SHROUD KIT FOR O.L.
8	1	ABB	A145N4-30-11-84	BYPASS CONTACTOR
9	2	ABB	EHTK210	LUG KIT FOR O.L.
10	1	ABB	LT460-AL	SHROUD KIT FOR S.S. LINE
11	1	SQUARE D	LBA365208	DISTRIBUTION BLOCK #1
12	2	SQUARE D	LB53	DISTRIBUTION BLOCK COVER
13	1	DELTA	LA603	LIGHTNING ARRESTER
14	1	SQUARE D	LBA365202	DISTRIBUTION BLOCK #2
15	1	SSAC	PLMU11	PHASE MONITOR
16	2	A-B	800H-QRT10R	RED PTT LIGHT
17	1	A-B	800H-JR2A	HOA SWITCH
18	1	GRASSLIN	UWZ-52E	ETM
19	1	OMRON	MK3PN5SAC120	CR1
20	2	DAYTON	5X829	TD1, TD2
21	1	A-B	800H-HR2A	2 POSITION SWITCH
22	1	CROUSE-HINDS	ECD-18	DRAIN BREATHER
23	1	ABB	K5VDM	MECHANISM
24	1	ABB	OXP10X500	SHAFT
25	1	ABB	OHB65J10	HANDLE
26	2	ABB	ATK185	LUGS FOR BYPASS
27	2	ABB	K4TD	LUGS FOR C.B.
28	1	ABB	T4350PSF1	TRANSFORMER W/COVERS
29	2	ABB	K4LCH	SHROUD FOR C.B.
30				

	Drawing Title							
	BILL OF MATERIALS							
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE
DATE 5/11/04			S/N	Sales Engineer	Application Engineer	DRAWN	BY	APPROVED
					R.C.	BY C. RACHAL	BY	DATE
	Project Title		COX		PURCHASE ORDER NUMBER			
	WATER WELL CONTROL PANEL		Research and Technology, Inc.		DRAWING NUMBER CP-1796			
					SHEET NUMBER 5			