
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

CP-1796

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	<u></u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
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	<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:

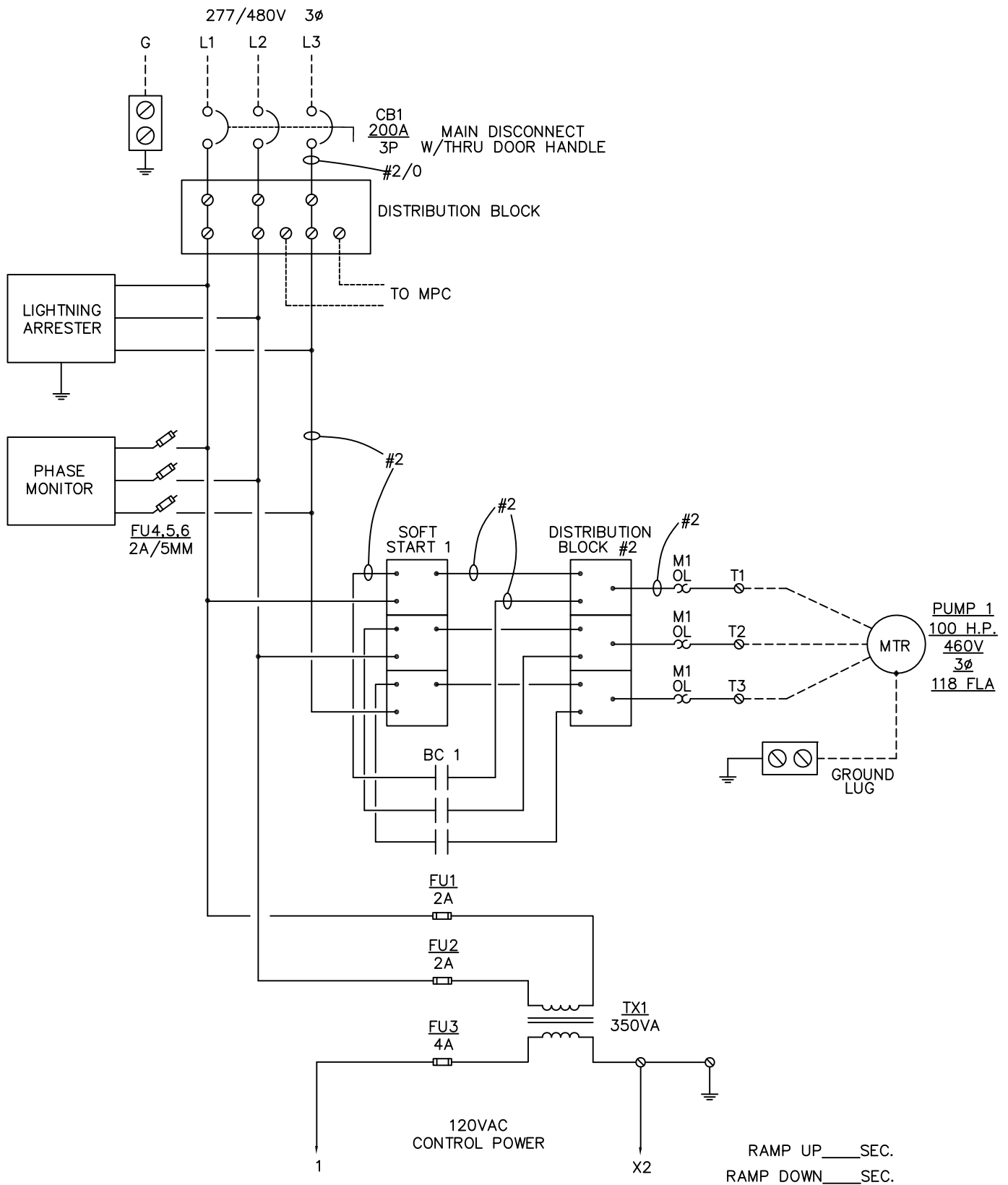
SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u></u>	(Self-Primer, Submersible)
ALARM HORN	<u></u>	
ALARM LIGHT	<u></u>	
LIGHT PANEL MTD	<u></u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u></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: Layne Christensen

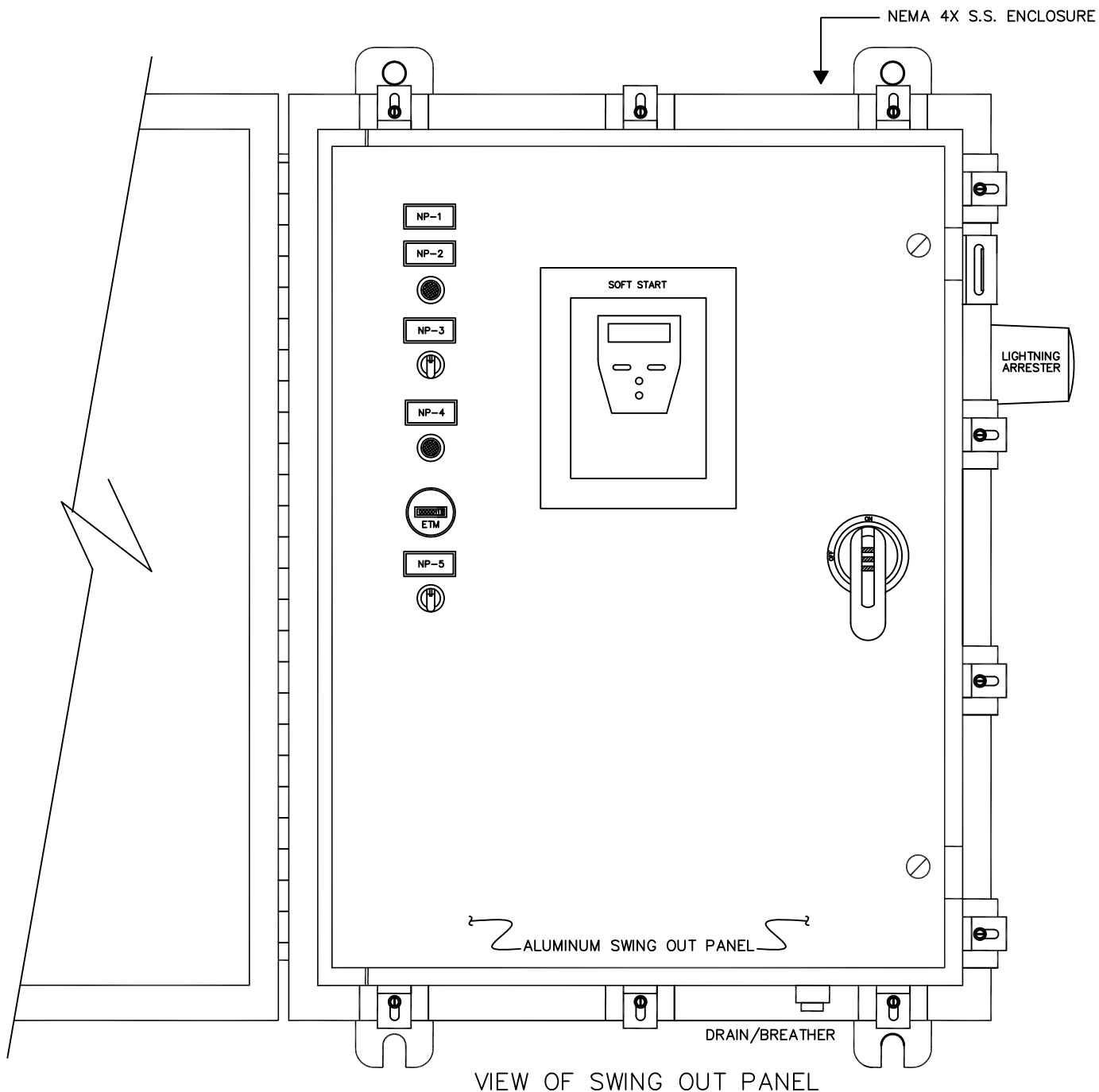
TAG : New Roads Water Well Control Panel

SHIP TO: Layne Christensen

	Drawing Title							
	PANEL DESCRIPTION							
DATE 5/11/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	<div style="text-align: center;">  COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	WATER WELL CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1796	
							SHEET NUMBER 1	



	Drawing Title								
	POWER WIRING								
DATE	5/11/04	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			
	WATER WELL CONTROL PANEL	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1796			
						SHEET NUMBER 2			



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 5/11/04	Drawing Title							
	ENCLOSURE							
Project Title		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
		S/N		Sales Engineer		Application Engineer		DATE
				C.C.		R.C.		BY
						BY C. RACHAL		DATE
								PURCHASE ORDER NUMBER
								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						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
5/11/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY DATE	
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> COX <small>Research and Technology, Inc.</small> </div>			<small>P.O. Box 77808 Baton Rouge, LA 70809</small>		PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP-1796</div> SHEET NUMBER <div style="text-align: right;">5</div>
	WATER WELL CONTROL PANEL				<small>Ph. (225)756-3271 Fax (225)756-1030</small>		