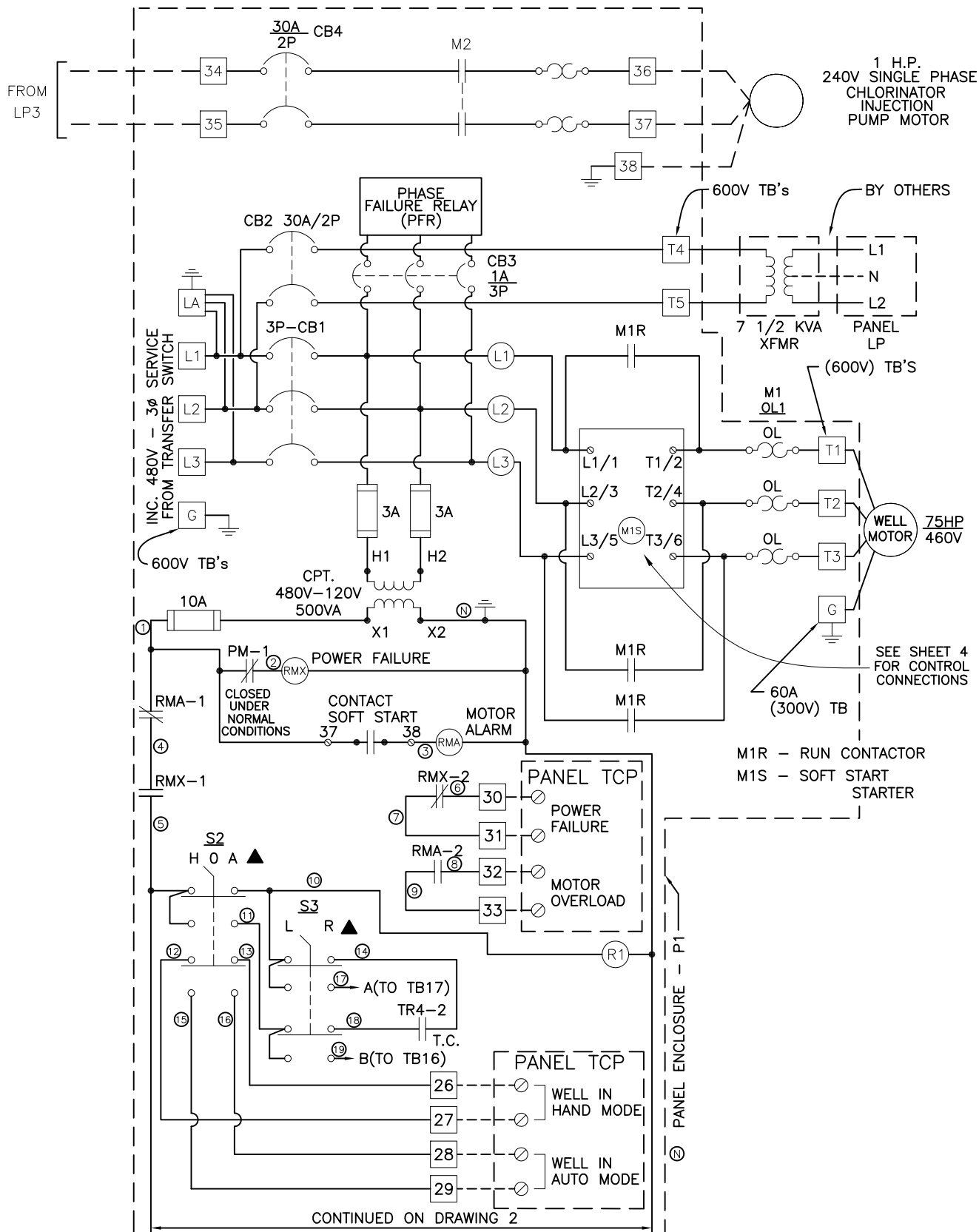

COX

Research and Technology, Inc.

PANEL P1
CONTROL PANEL
BUDDY ELLIS ROAD
WATER WELL #1
75HP

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

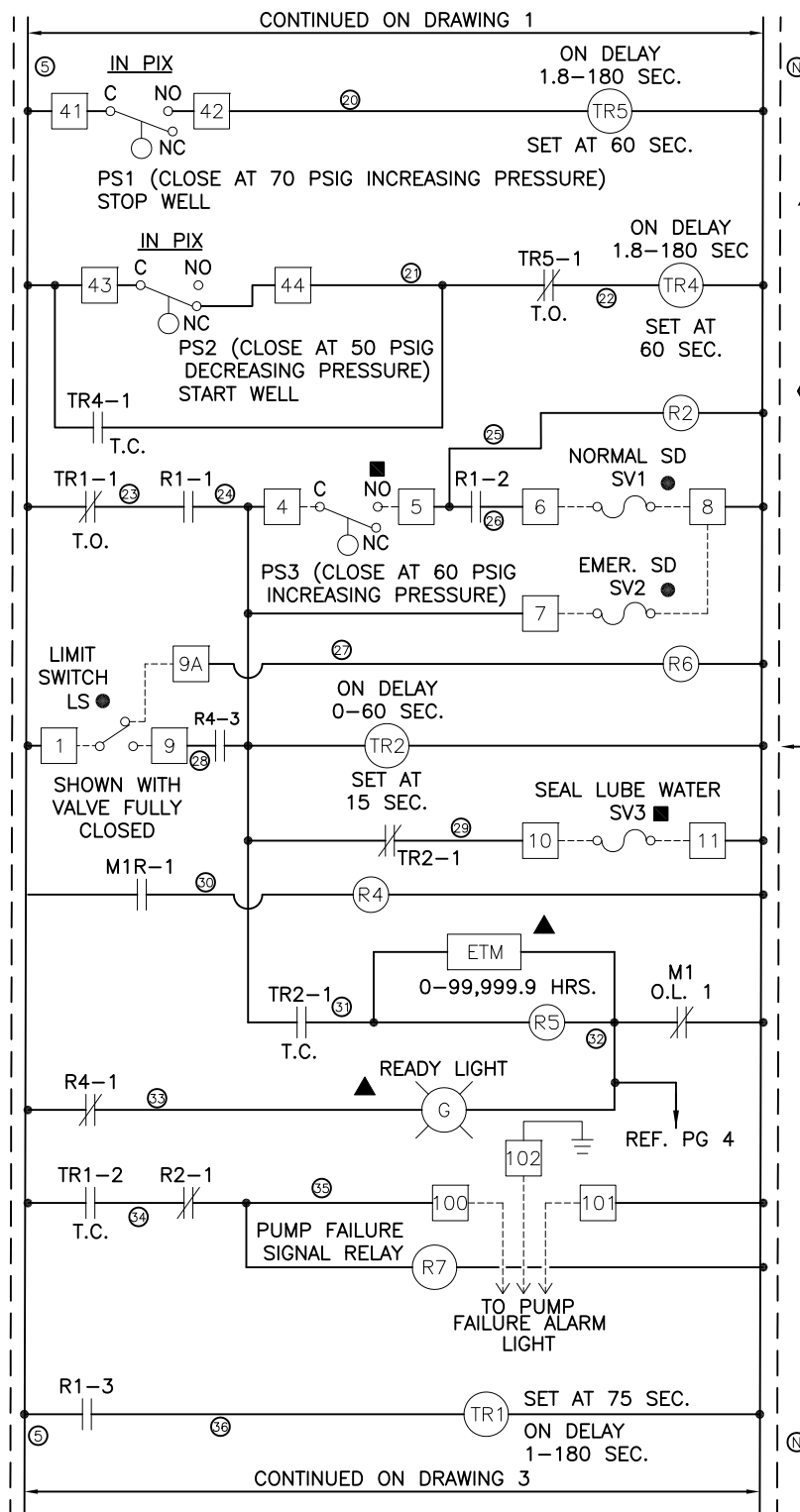
CP-1666



PANEL WIRING DIAGRAM

N.T.S.

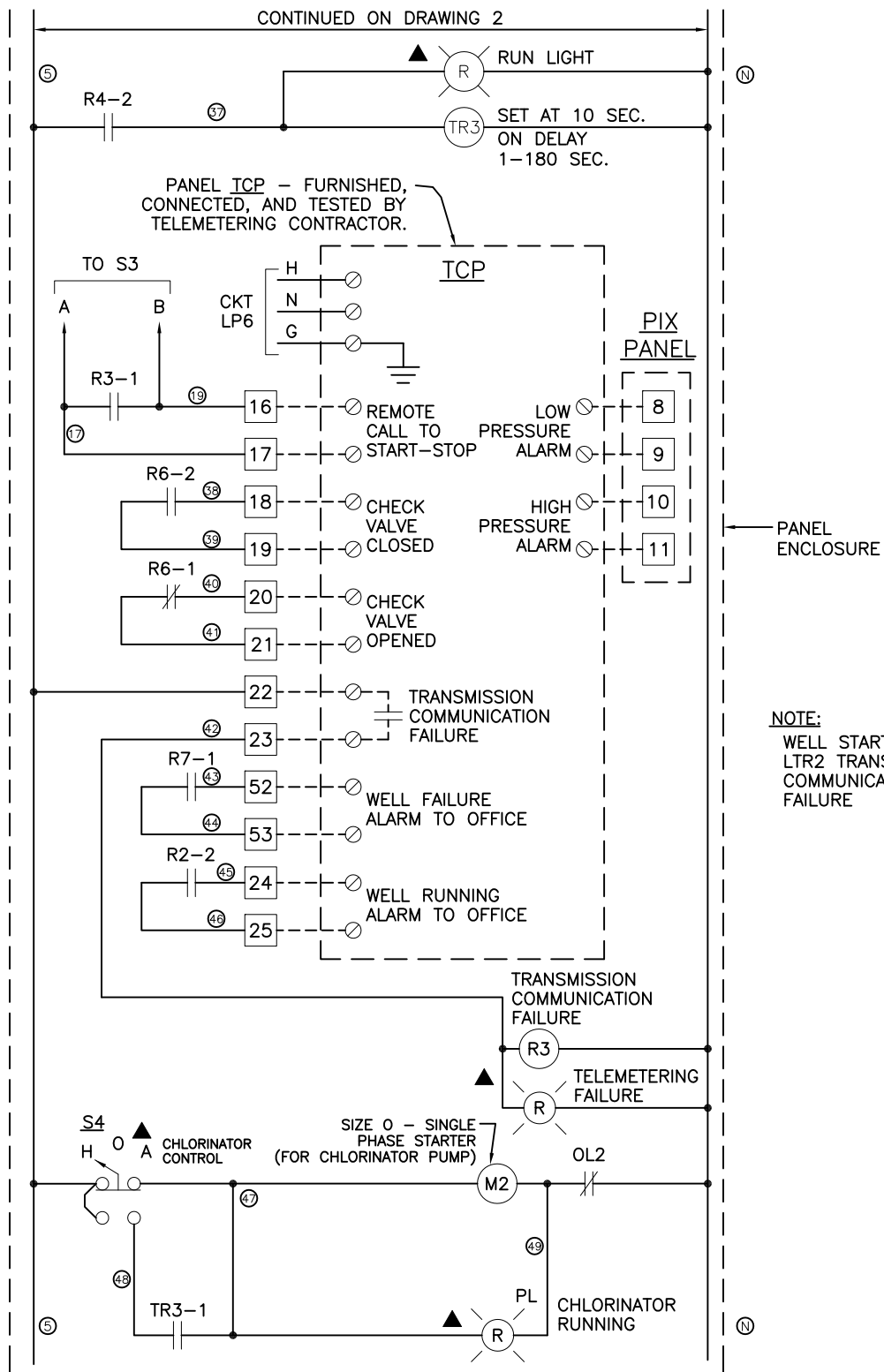
Drawing Title					
POWER/CONROL DIAGRAM					
DATE 9/26/03	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
Project Title	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY DATE
BUDDY ELLIS ROAD WATER WELL #1	COX			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER
	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1666
					SHEET NUMBER 1



PANEL WIRING DIAGRAM

N.T.S.

Drawing Title							
DATE 9/26/03		CONTROL DIAGRAM		REFERENCE DRAWING		NO.	
		S/N		Sales Engineer C.C.		Application Engineer R.C.	
Project Title		BUDDY ELLIS ROAD WATER WELL #1		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-1666	
						SHEET NUMBER 2	

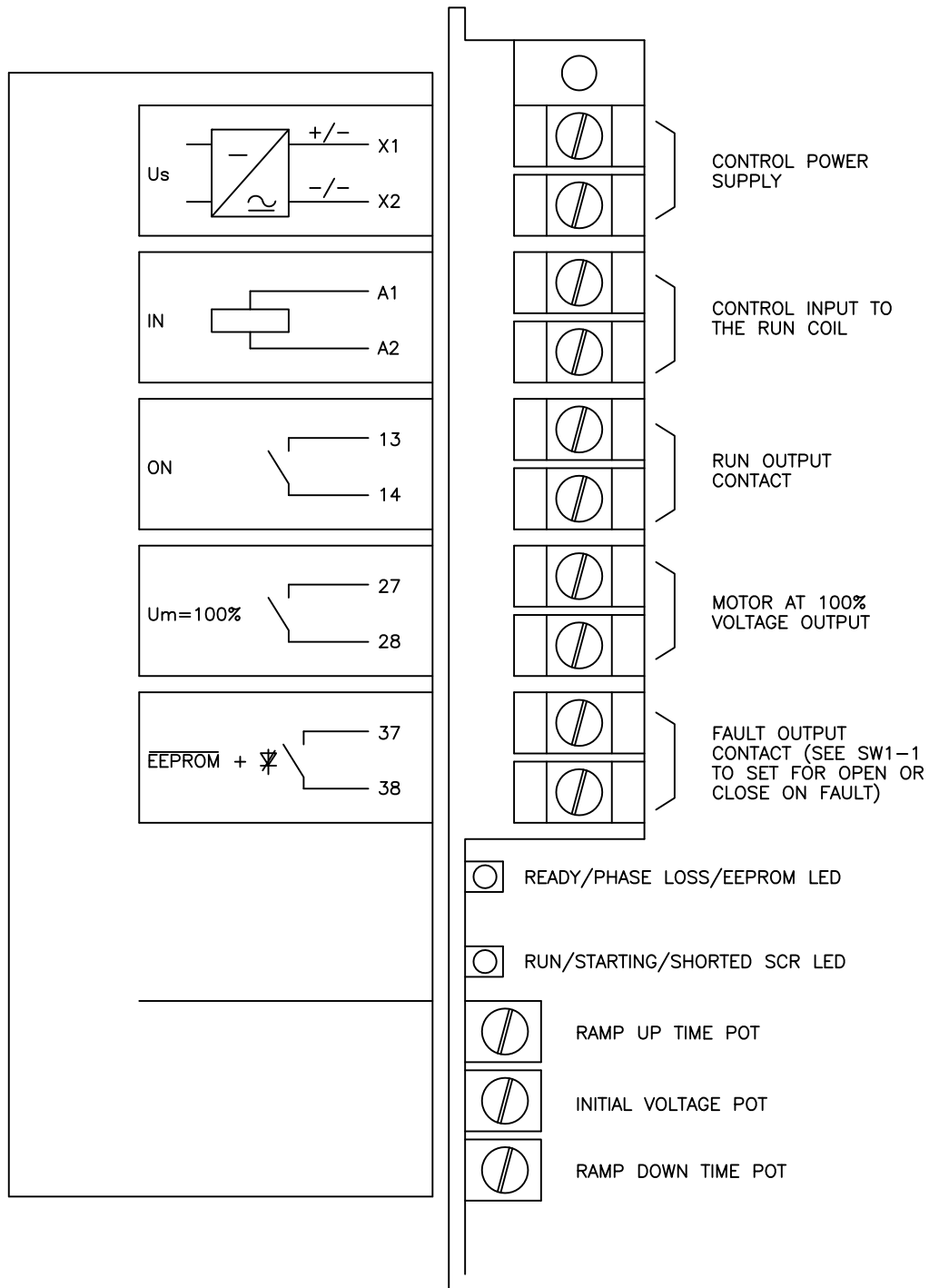


CONTINUED ON DRAWING 4

PANEL WIRING DIAGRAM

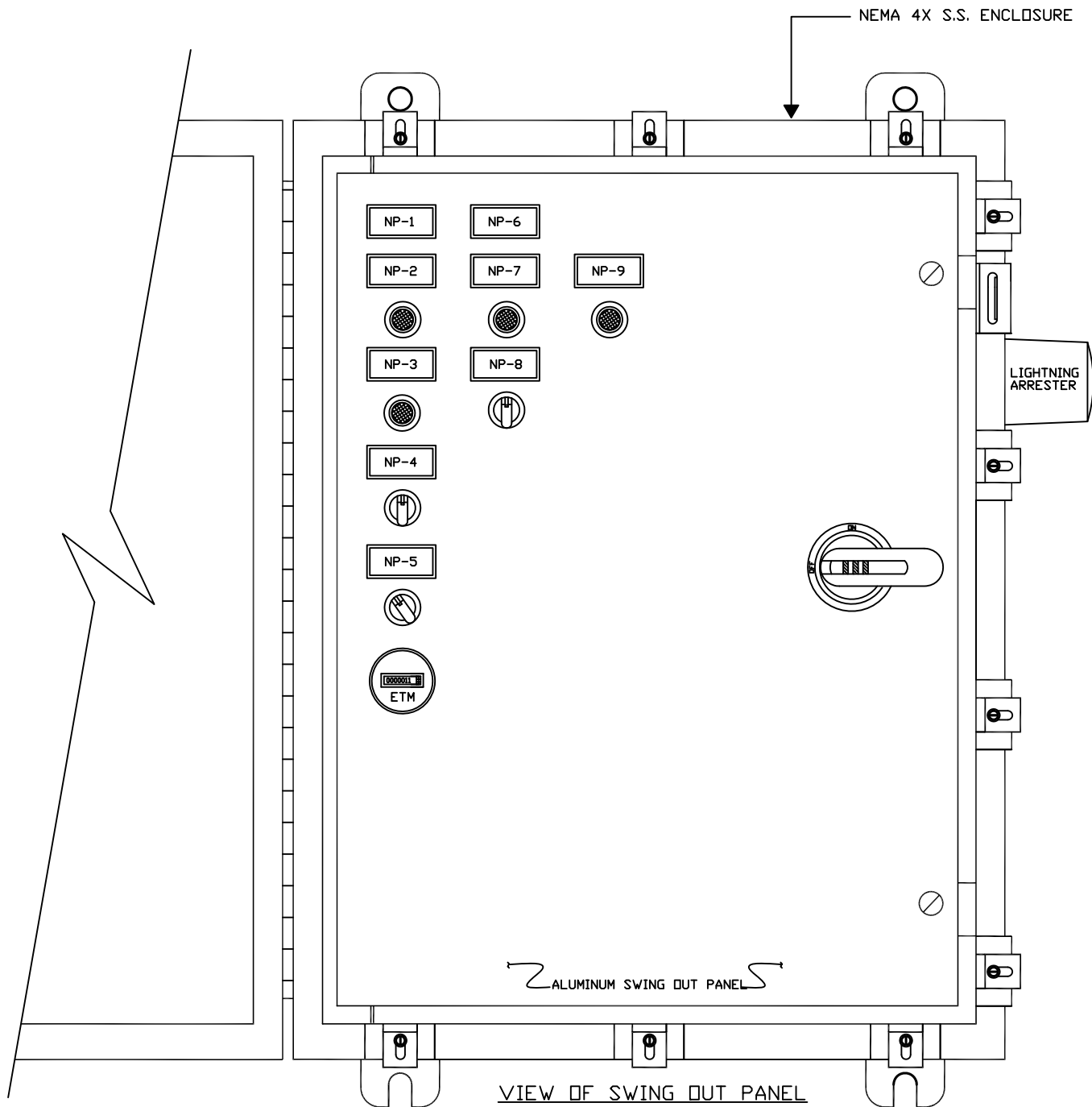
N.T.S.

	Drawing Title				
	CONTROL DIAGRAM				
DATE 9/26/03		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN DATE BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL APPROVED BY DATE PURCHASE ORDER NUMBER DRAWING NUMBER CP-1666 SHEET NUMBER 3
	Project Title BUDDY ELLIS ROAD WATER WELL #1	<div style="text-align: center;"> COX Research and Technology, Inc. </div>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	



REDUCED VOLTAGE STARTER
EXTERNAL INTERFACE

	Drawing Title							
	STARTER EXTERNAL CONNECTIONS							
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
9/26/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE	
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	BUDDY ELLIS ROAD WATER WELL #1	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1666		
						SHEET NUMBER 5		



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 WELL
NP-2 READY
NP-3 RUN
NP-4 HOA
NP-5 LOCAL-REMOTE
NP-6 CHLORINATOR
NP-7 RUN
NP-8 HOA
NP-9 TRANSMITTER COMMUNICATION FAILURE

DATE 9/26/03	Drawing Title							
	ENCLOSURE							
REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE	BY
S/N		Sales Engineer		Application Engineer		DRAWN		APPROVED
		C.C.		R.C.		BY C. RACHAL		DATE
Project Title								PURCHASE ORDER NUMBER
BUDDY ELLIS ROAD								DRAWING NUMBER
WATER WELL #1								CP-1666
								SHEET NUMBER
								6

COX

Research and Technology, Inc.

P.O. Box 77808
Baton Rouge, LA
70809

Ph. (225)756-3271
Fax (225)756-1030

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S483610N4X-6	ENCLOSURE
2	1	EBE	A4836P	BACKPLATE
3	1	EBE	A4836SP	DEADFRONT
4	1	ABB	S3N125TW	CB1 125A-3P 480V
5	1	ABB	S3N030TW-2	CB2 30A-2P 480V
6	1	SQUARE D	9070TF500D1	TRANSFORMER
7	1	SIEMENS	3RW3458-ODC34	SOLIDSTATE SOFT START
8	1	ABB	A145N4-30-11-84	MOTOR STARTER (135A/100HP)
9	1	ABB	TA110DU110	O.L. (80-110A)
10	1	ABB	AB200A	SEPARATE MOUNT
11	12	OMRON	MK3PN5SAC120	RELAY
12	6	DAYTON	5X829	ON DELAY
13	1	ABB	A16N0-30-10-84	M2
14	1	ABB	TA25DU8.5	O.L. (6.0-8.5A)
15	2	SQUARE D	9001KS43B	HOA
16	1	SQUARE D	9001KS11B	LOCAL REMOTE SELECTOR
17	1	HUBBELL	NAV15GG	PUMP FAIL LIGHT
18	1	HUBBELL	VRGP100	RED GLOBE
19	3	ACI	JR30FR	RED PILOT LIGHT
20	1	ACI	JR30FG	GREEN PILOT LIGHT
21	1	GRASSLIN	UWZ52-E	ETM
22	1	ABB	K5VD-M	MECH OPERATOR
23	1	ABB	OXF10X225	SHAFT
24	1	ABB	OHB95L10	PISTOL HANDLE
25	1	CH	CHSA03	LIGHTNING ARRESTER
26	1	SSAC	PLMU11	PHASE FAILURE RELAY
27	1	SQUARE D	QOU230	CB4
28	1	ABB	S263-C1	CB3
29				
30				

	Drawing Title							
	BILL OF MATERIALS							
DATE 9/26/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> COX <small>Research and Technology, Inc.</small> </div>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP1666</div> SHEET NUMBER <div style="text-align: right;">7</div>		
	Project Title	BUDDY ELLIS ROAD WATER WELL #1						