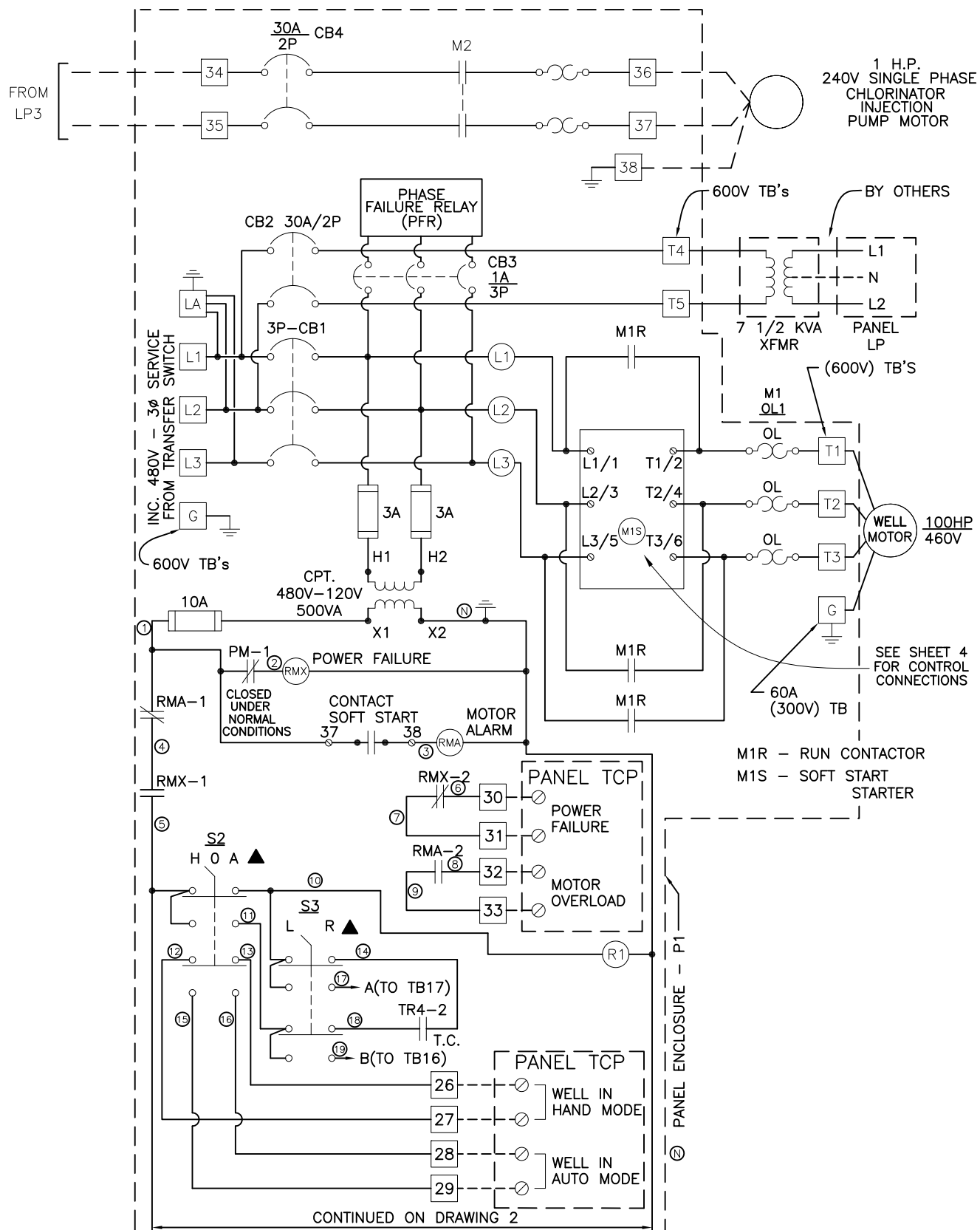

COX

Research and Technology, Inc.

PANEL P1
CONTROL PANEL
BUDDY ELLIS ROAD
WATER WELL #2
100HP

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

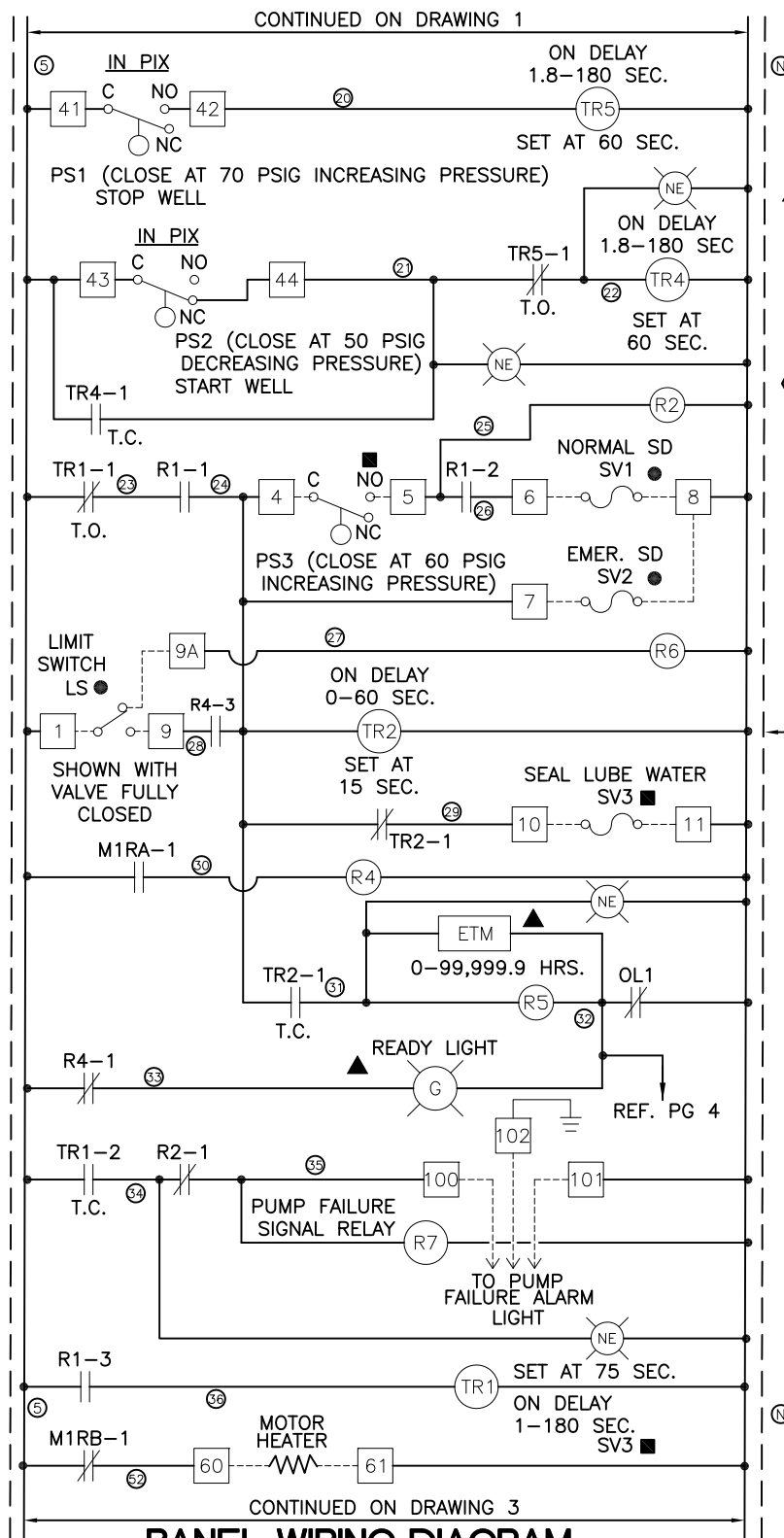
CP-1719



PANEL WIRING DIAGRAM

N.T.S.

Drawing Title	POWER/CONROL DIAGRAM				
DATE 12/18/03	Project Title	BUDDY ELLIS ROAD WATER WELL #2		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-1719
					SHEET NUMBER 1



▲ LOCATED ON SWING PANEL

● LOCATED ON CHECK VALVE (BY OTHERS)

■ LOCATED NEAR MOTOR (BY OTHERS)

◆ OPERATOR LOCATED ON PANEL DOOR

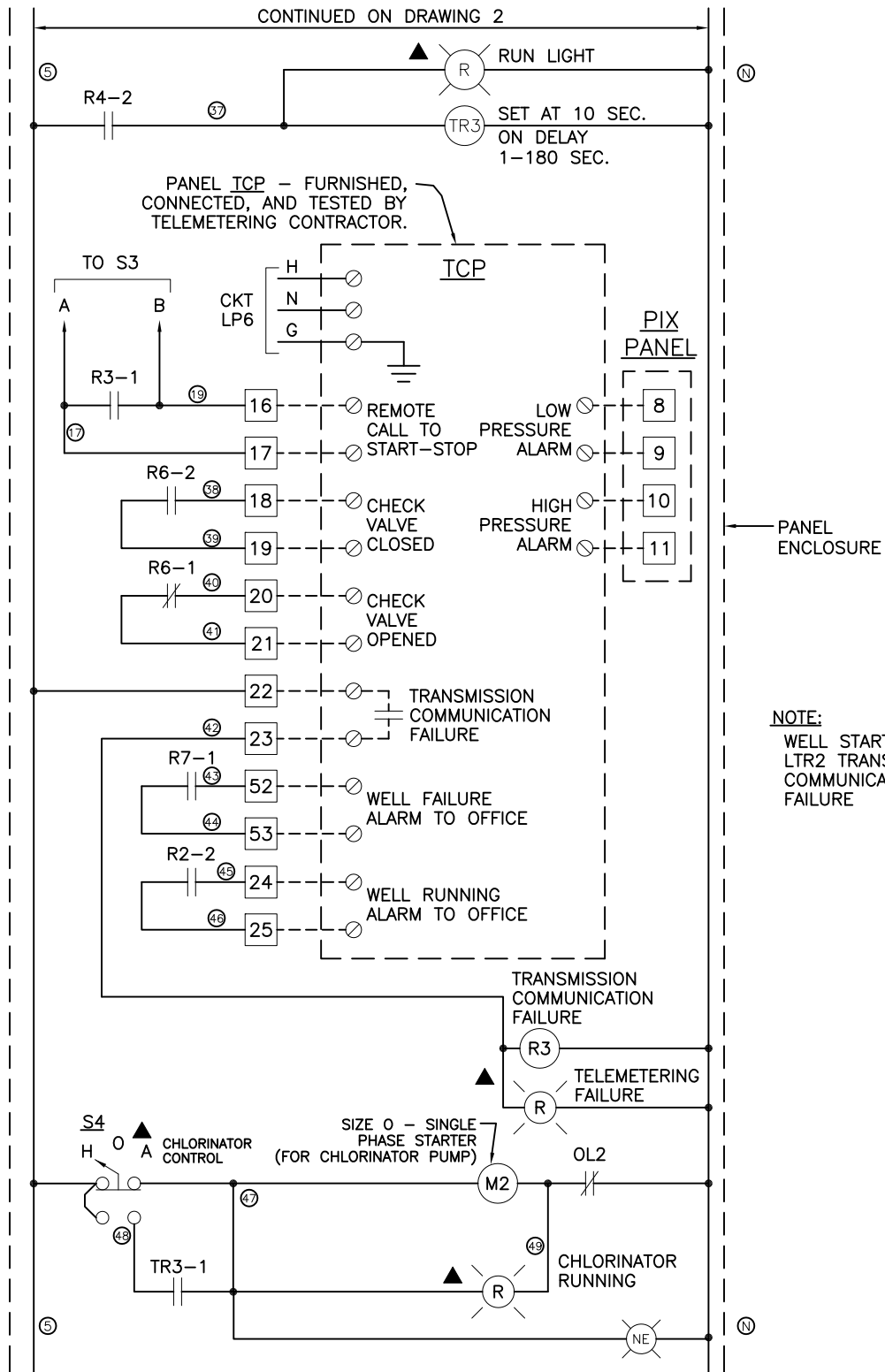
NOTE:

LOCATE PS3 AHEAD OF CHECK VALVE

PANEL ENCLOSURE - P1

N.T.S.

	Drawing Title <div>CONTROL DIAGRAM</div>							
DATE 12/18/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE BY	BY
	Project Title BUDDY ELLIS ROAD WATER WELL #2	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER		
						DRAWING NUMBER CP-1719		
						SHEET NUMBER 2		

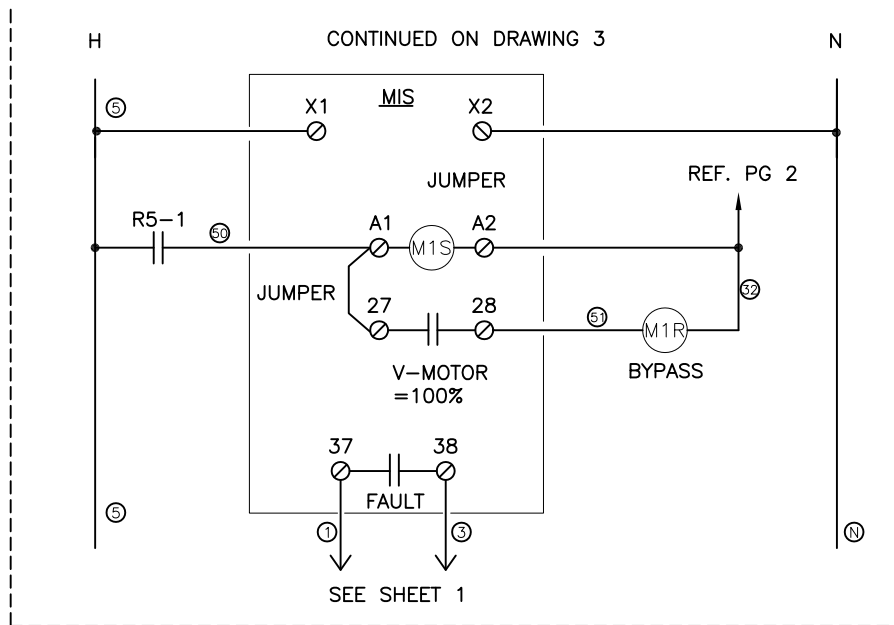


CONTINUED ON DRAWING 4

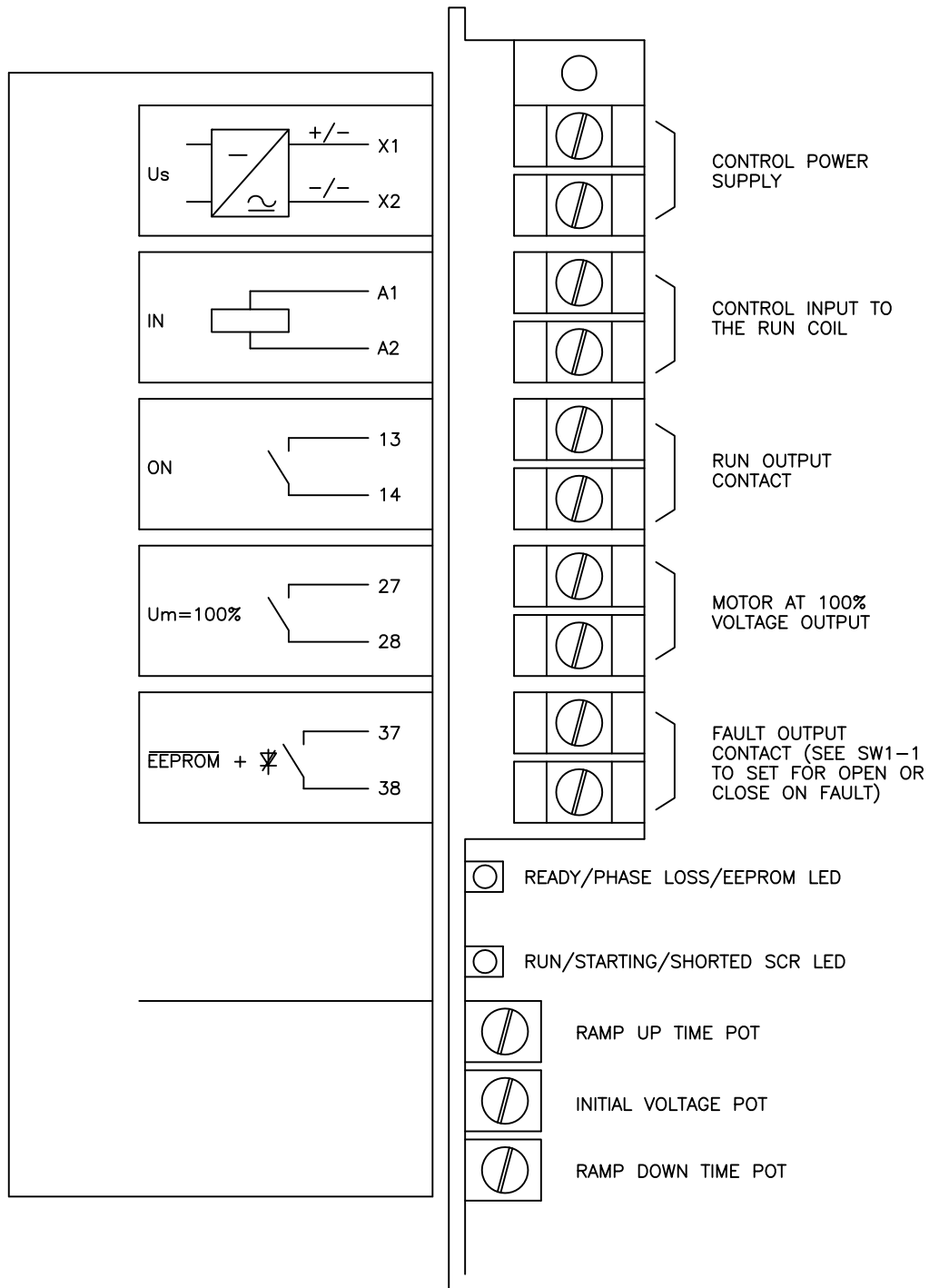
PANEL WIRING DIAGRAM

N.T.S.

	Drawing Title CONTROL DIAGRAM									
DATE 12/18/03			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
			S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
						BY C. RACHAL		BY	DATE	
	Project Title		<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER		
	BUDDY ELLIS ROAD							DRAWING NUMBER		
	WATER WELL #2							CP-1719		
								SHEET NUMBER		
								3		

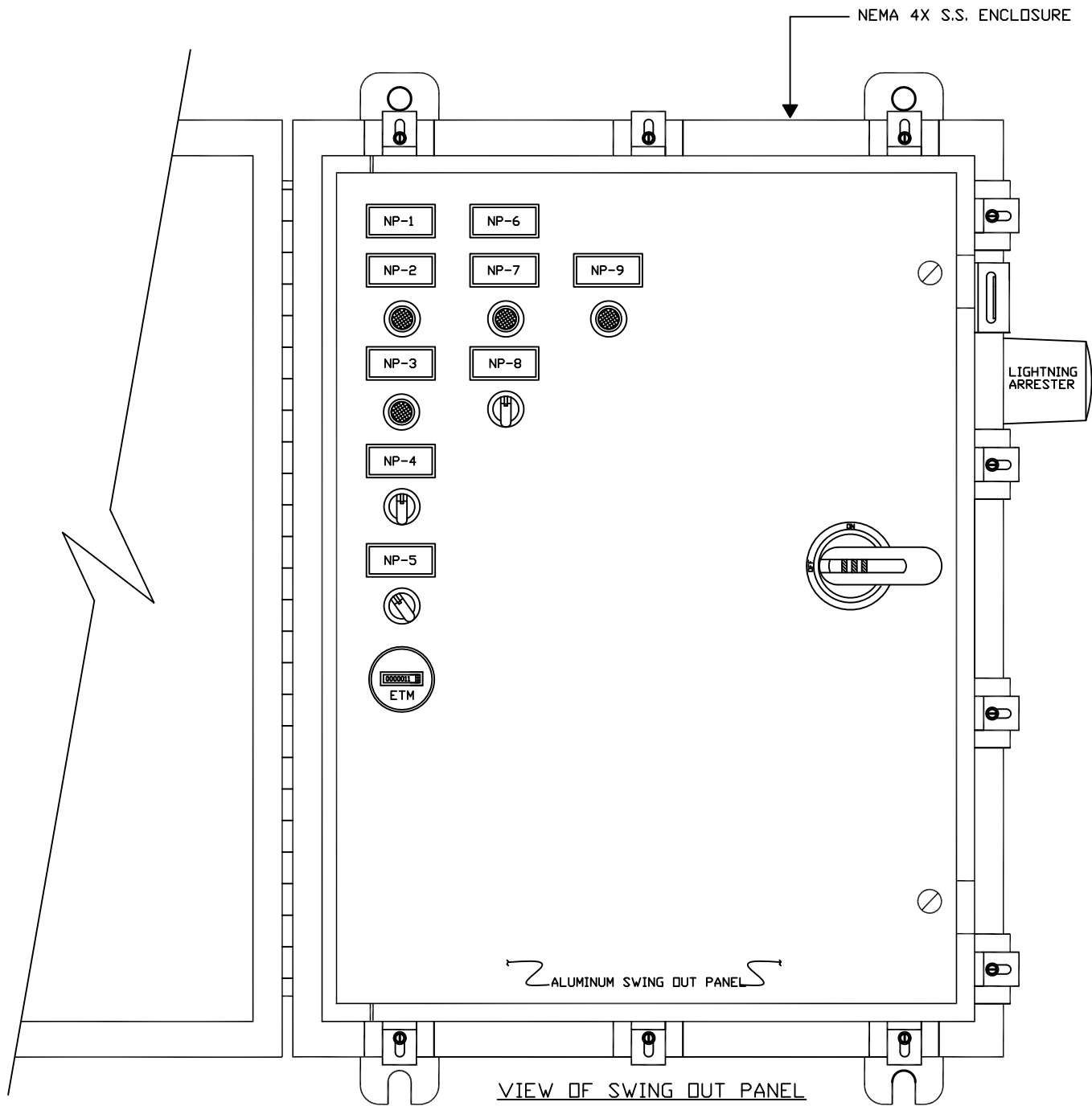


	Drawing Title							
	CONTROL DIAGRAM							
DATE 12/18/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title	DRAWN BY C. RACHAL			APPROVED BY DATE			
	BUDDY ELLIS ROAD WATER WELL #2	PURCHASE ORDER NUMBER						
		DRAWING NUMBER CP-1719						
		SHEET NUMBER			4			



REDUCED VOLTAGE STARTER
EXTERNAL INTERFACE

	Drawing Title							
	STARTER EXTERNAL CONNECTIONS							
DATE 12/18/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	PURCHASE ORDER NUMBER						
	BUDDY ELLIS ROAD WATER WELL #2	DRAWING NUMBER CP-1719						
		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 12/18/03	Drawing Title								
	ENCLOSURE								
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
	BUDDY ELLIS ROAD WATER WELL #2		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1719		
							SHEET NUMBER 6		

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S483612N4X-6	ENCLOSURE
2	1	EBE	A4836P	BACKPLATE
3	1	EBE	A4836SP	DEADFRONT
4	1	ABB	S3N200TW	CB1 200A-3P 480V
5	1	ABB	S3N030TW-2	CB2 30A-2P 480V
6	1	SQUARE D	9070TF500D1	TRANSFORMER
7	1	SIEMENS	3RW3465-ODC34	SOLIDSTATE SOFT START
8	1	ABB	A145N4-30-11-84	MOTOR STARTER (100-135A)
9	1	ABB	TA200DU135	O.L. (100-135A)
10	1	ABB	DAB200	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	DELTA	LA603	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 12/18/03		REFERENCE DRAWING S/N	Sales Engineer C.C.	Application Engineer R.C.	NO. DRAWN BY C. RACHAL	REVISION-LOCATION	ECN	DATE
						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>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP1719 SHEET NUMBER 7	
	BUDDY ELLIS ROAD WATER WELL #2							