
COX

Research and Technology, Inc.

CONTROL PANEL 4
RIVER PUMP STATION
MANY, LA

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

CP-1611


VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>1,2</u>	
HP	<u>20,40,40</u>	
FLA	<u>27,52MAX</u>	
TYPE OF PUMP	<u>Submersible</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>Remote Control</u>	(Floats, Bubbler, Other)
CAPACITORS	<u></u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u></u>	
THERM. & SEAL FAIL WIRING FIGURE	<u>N/A</u>	

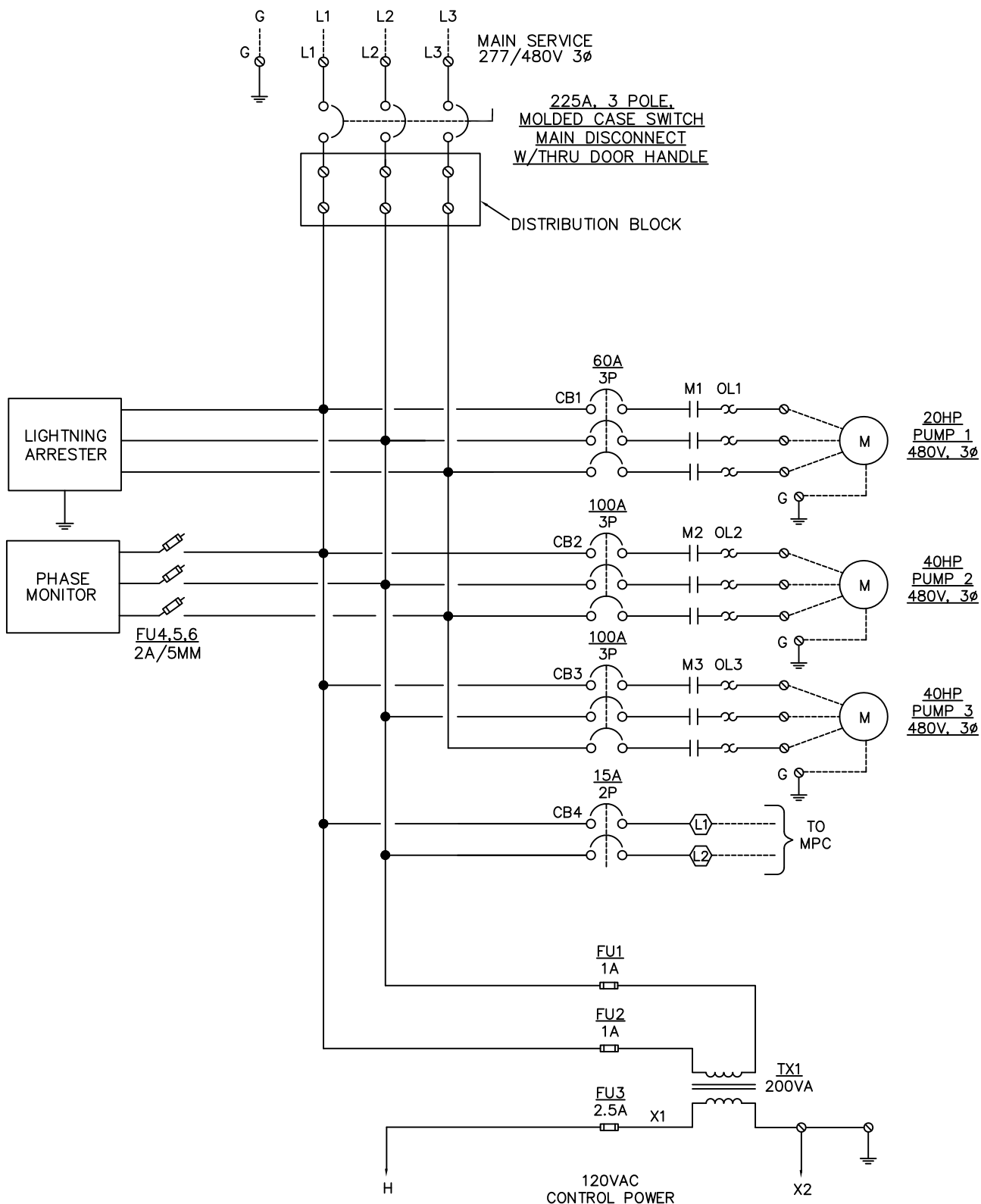
OPTIONS:

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: McInnis Brothers Construction, Inc.
TAG : Many, LA
River Pump Station

SHIP TO:

	Drawing Title							
	PANEL DESCRIPTION							
DATE 7/21/03			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;">  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	CONTROL PANEL 4				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1611	
					SHEET NUMBER 1			



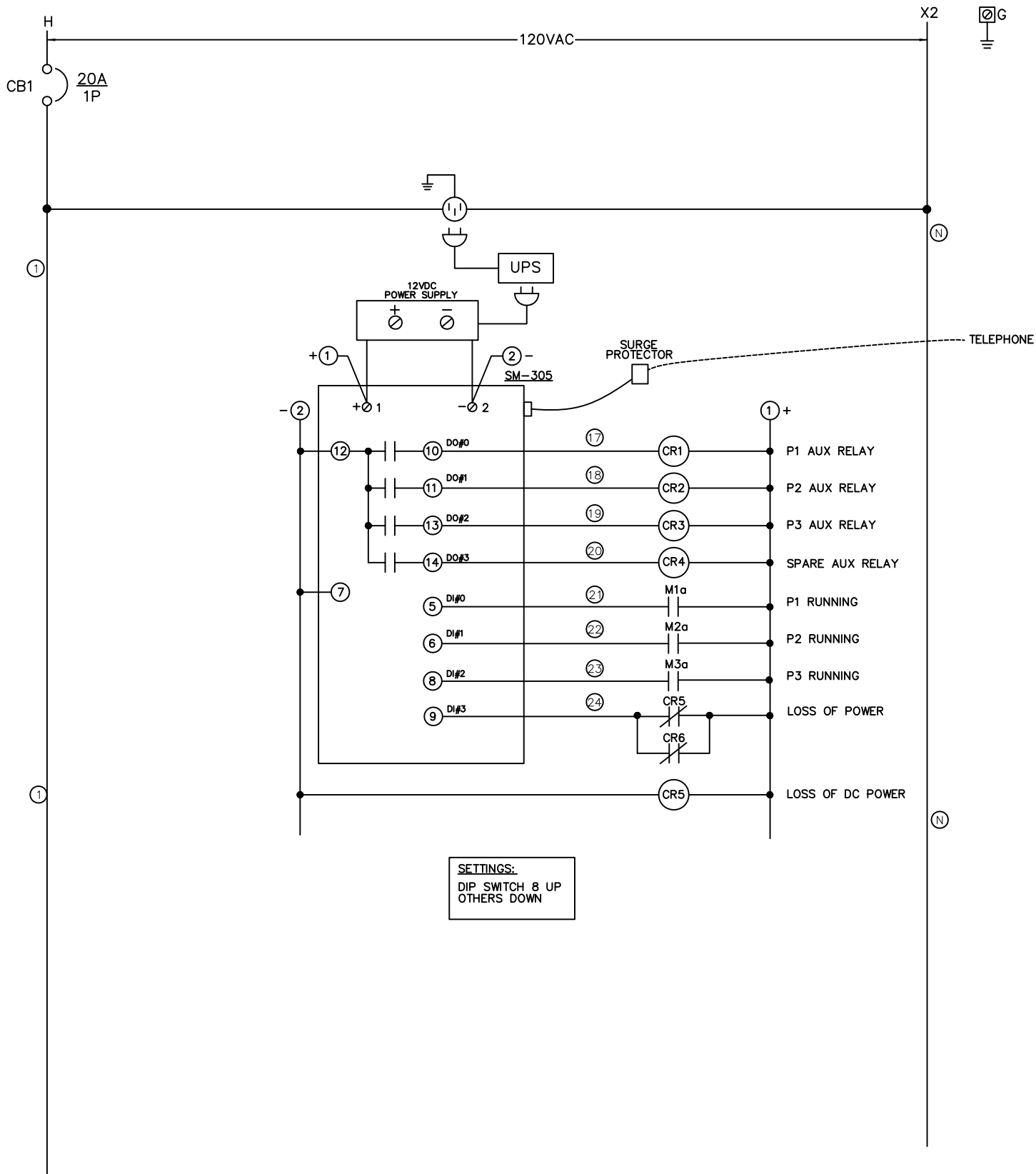
	Drawing Title								
	POWER DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
12/06/02		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED			
	Project Title				BY	DATE			
	CONTROL PANEL 4							PURCHASE ORDER NUMBER	
								DRAWING NUMBER	CP-1611
								SHEET NUMBER	2

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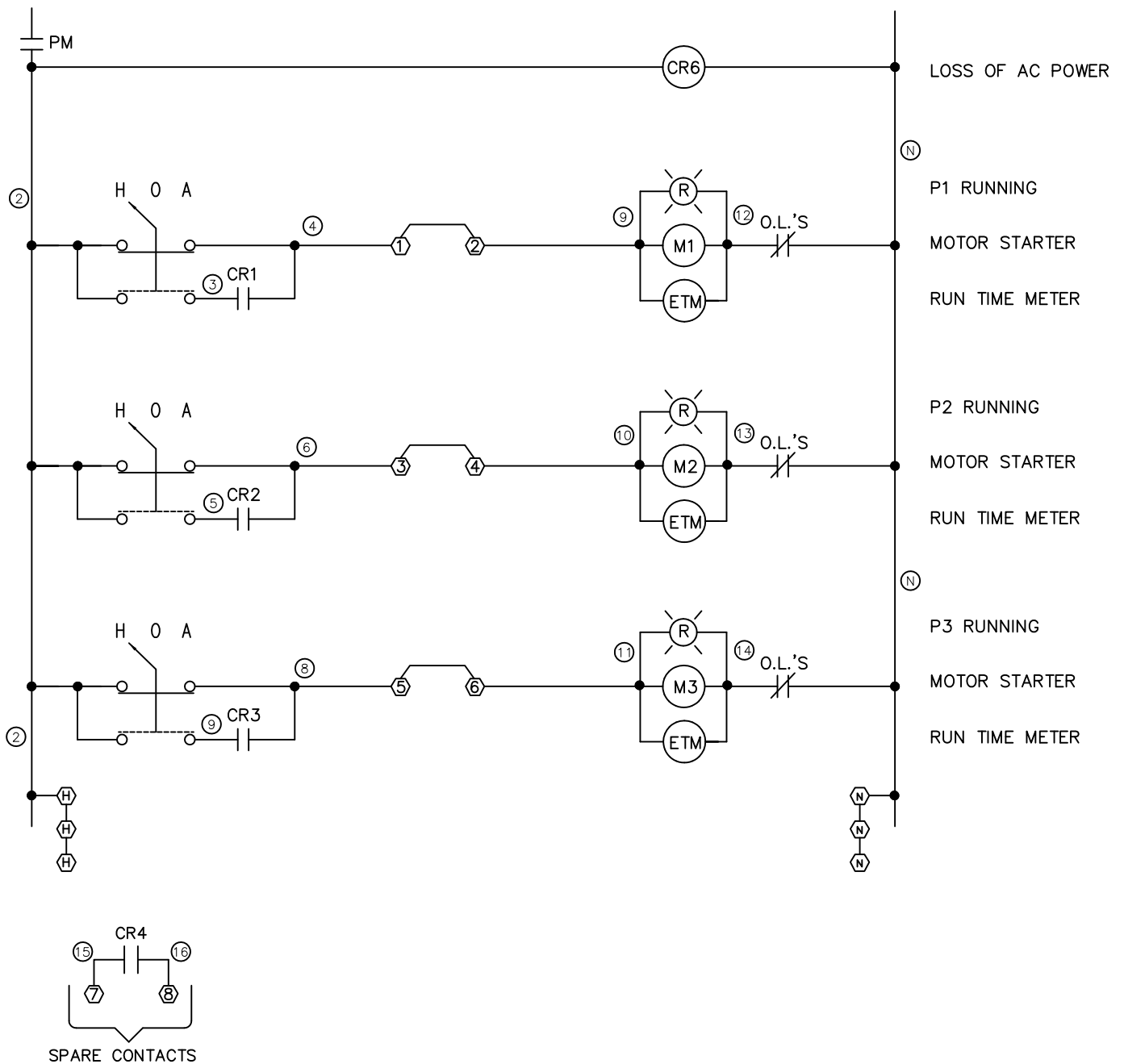
	Drawing Title								
	CONTROL DIAGRAM								
DATE	7/21/03	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	BY	DATE		
	Project Title	PURCHASE ORDER NUMBER							
	CONTROL PANEL 4	DRAWING NUMBER CP-1611							
		SHEET NUMBER							

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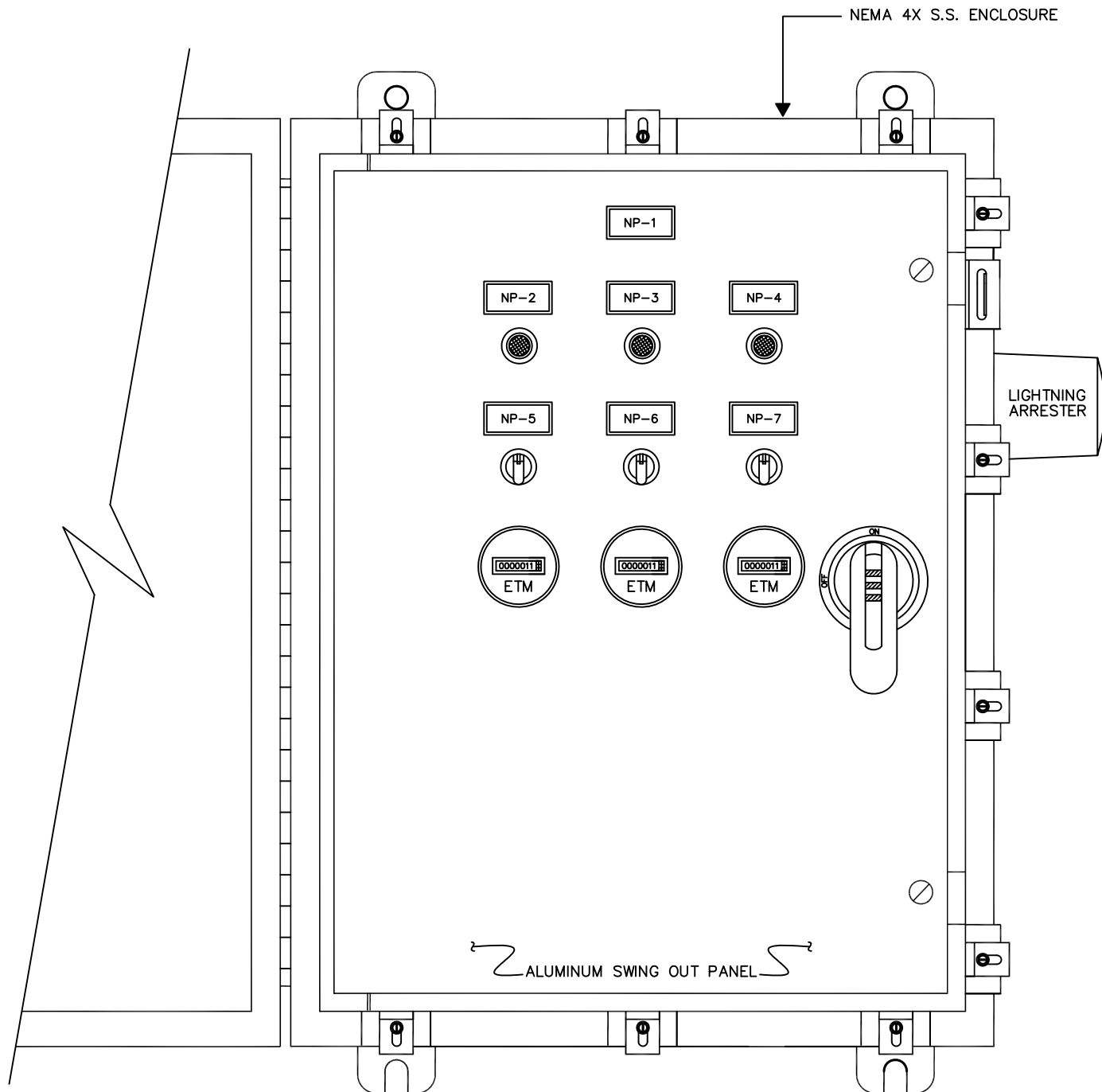
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DATE 7/21/03	Drawing Title							
	CONTROL DIAGRAM							
	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	
	S/N		Sales Engineer C.C.		Application Engineer R.C.		BY C. RACHAL	
Project Title								PURCHASE ORDER NUMBER
CONTROL PANEL 4								DRAWING NUMBER CP-1611
								SHEET NUMBER 4



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	RIVER PUMP STATION CONTROL PANEL
NP-2	PUMP 1 - RUN
NP-3	PUMP 2 - RUN
NP-4	PUMP 3 - RUN
NP-5	PUMP 1 - H-O-A
NP-6	PUMP 2 - H-O-A
NP-7	PUMP 3 - H-O-A

DATE 7/21/03	Drawing Title								
	ENCLOSURE								
	Project Title CONTROL PANEL 4	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
		S/N		Sales Engineer C.C.		Application Engineer R.C.		BY	DATE
						DRAWN BY C. RACHAL		BY	DATE
								PURCHASE ORDER NUMBER	
								DRAWING NUMBER CP-1611	
								SHEET NUMBER 5	

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BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S362410N4X	ENCLOSURE
1a	1	EBE	A3624P	BACKPLATE
1b	1	EBE	A3624SP	DEAD FRONT
2	1	ABB	S3B225DW/LUGS	MC SWITCH
3	2	ABB	A75N3-30-11-84	MOTOR STARTER
4	2	ABB	TA75DU63	O.L. RELAY (45-63A)
5	2	ABB	S1N100TL	CB1,CB2
6	3	AB	800H-QRT-10R	RED PILOT LIGHT
7	3	AB	800H-JR2A	HOA SWITCH
8	1	SQUARE D	9070TF200D1	TRANSFORMER
9	1	INTERMATIC	IG4803LYN	LIGHTNING ARRESTER 1449
10	1	SYMCOM	355	PHASE MONITOR
11	3	GRASSLIN	UWZ52E	ELAPSED TIME METER
12	1	NBT	SM305 (1480/1474)	TELEPHONE MODEM
13	1	NBT	NBTPS	12VDC POWER SUPPLY
14	1	APC	350	UPS
15	1	BUSSMAN	16330-3	DISTRIBUTION BLOCK
16	1	BUSSMAN	CPDB-3	DIST. BLOCK COVER
17	4	OMRON	G2R2SDC12	CR1-4
18	2	OMRON	G2R2SAC120	CR5,6
19	1	NBT	NBTSP	TELEPHONE SURGE PROTECTOR
20	1	ABB	SIN015TL	CB4
21	1	ABB	A50N2-30-11-84	MOTOR STARTER
22	1	ABB	TA75DU32	O.L. RELAY (22-32A)
23	1	ABB	SIN060TL	CB3
24	1	ABB	K5VDM	MECHANISM
25	1	ABB	OXP10X500	SHAFT
26	1	ABB	AXB95J10	HANDLE
27	1	STOCK		RECEPTACLE

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DATE 7/21/03		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: 150px;"> COX <small>Research and Technology, Inc.</small> </div>			<small>P.O. Box 77808 Baton Rouge, LA 70809</small> <small>Ph. (225)756-3271 Fax (225)756-1030</small>		<small>PURCHASE ORDER NUMBER</small> <small>DRAWING NUMBER</small> CP-1611 <small>SHEET NUMBER</small> 5	
	Project Title	CONTROL PANEL 4						