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# COX

Research and Technology, Inc.

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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

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		
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	<u>Remote Control</u>	(Floats, Bubbler, Other)
CAPACITORS		(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE	<u>N/A</u>	

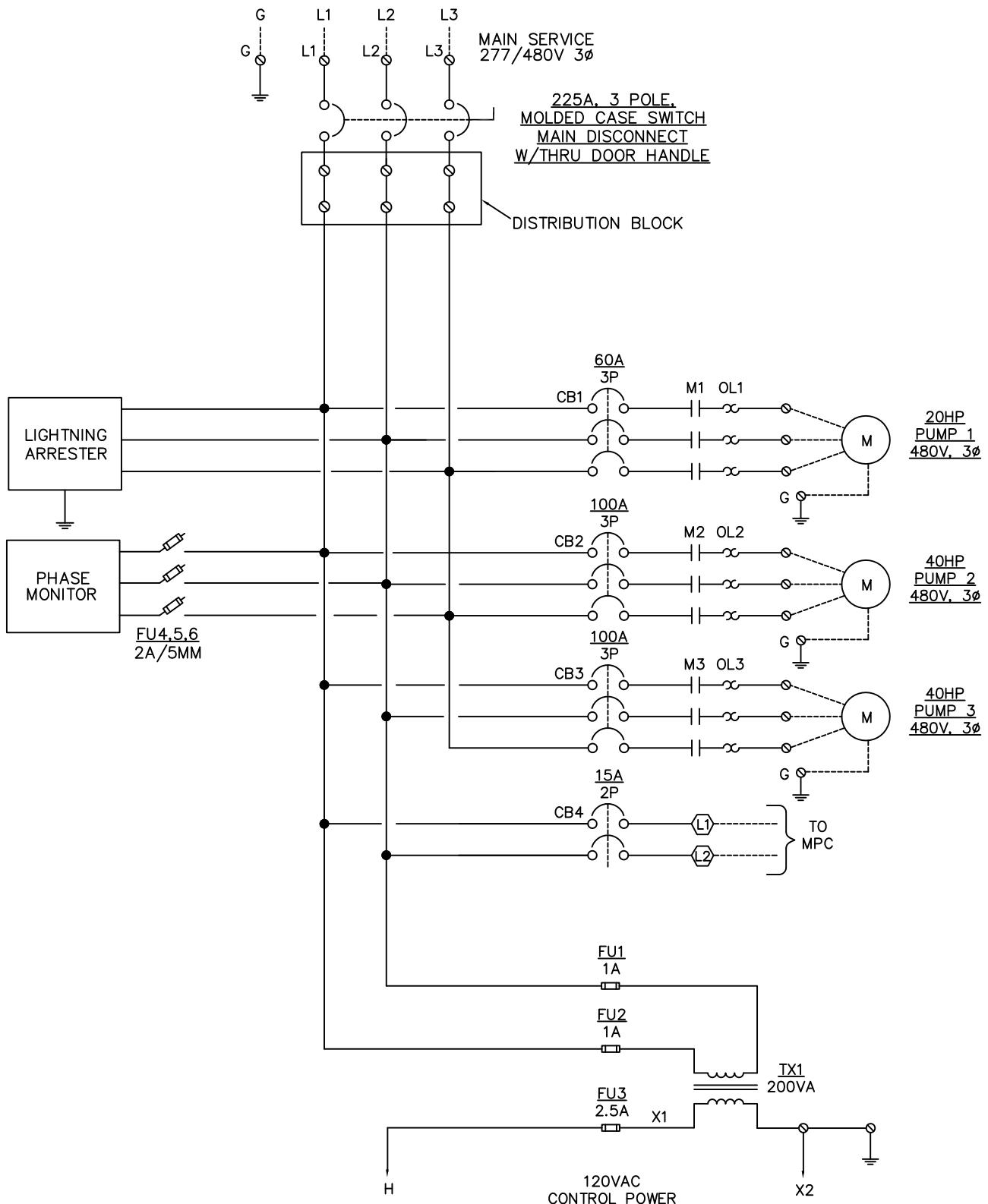
## OPTIONS:

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

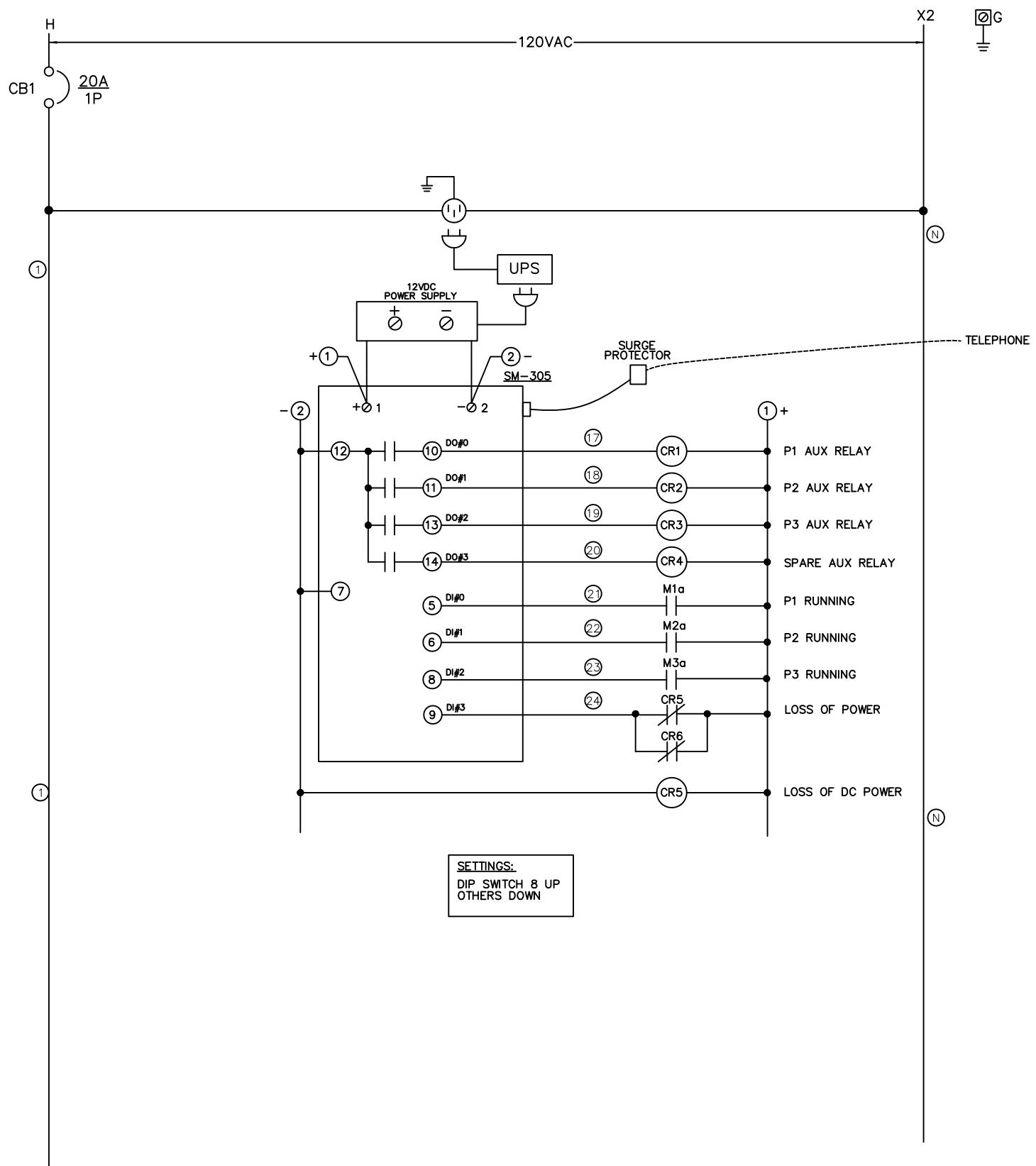
SOLD TO: McInnis Brothers Construction, Inc.  
TAG : Many, LA  
River Pump Station

SHIP TO: \_\_\_\_\_  
\_\_\_\_\_

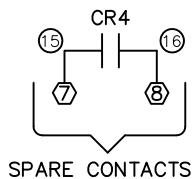
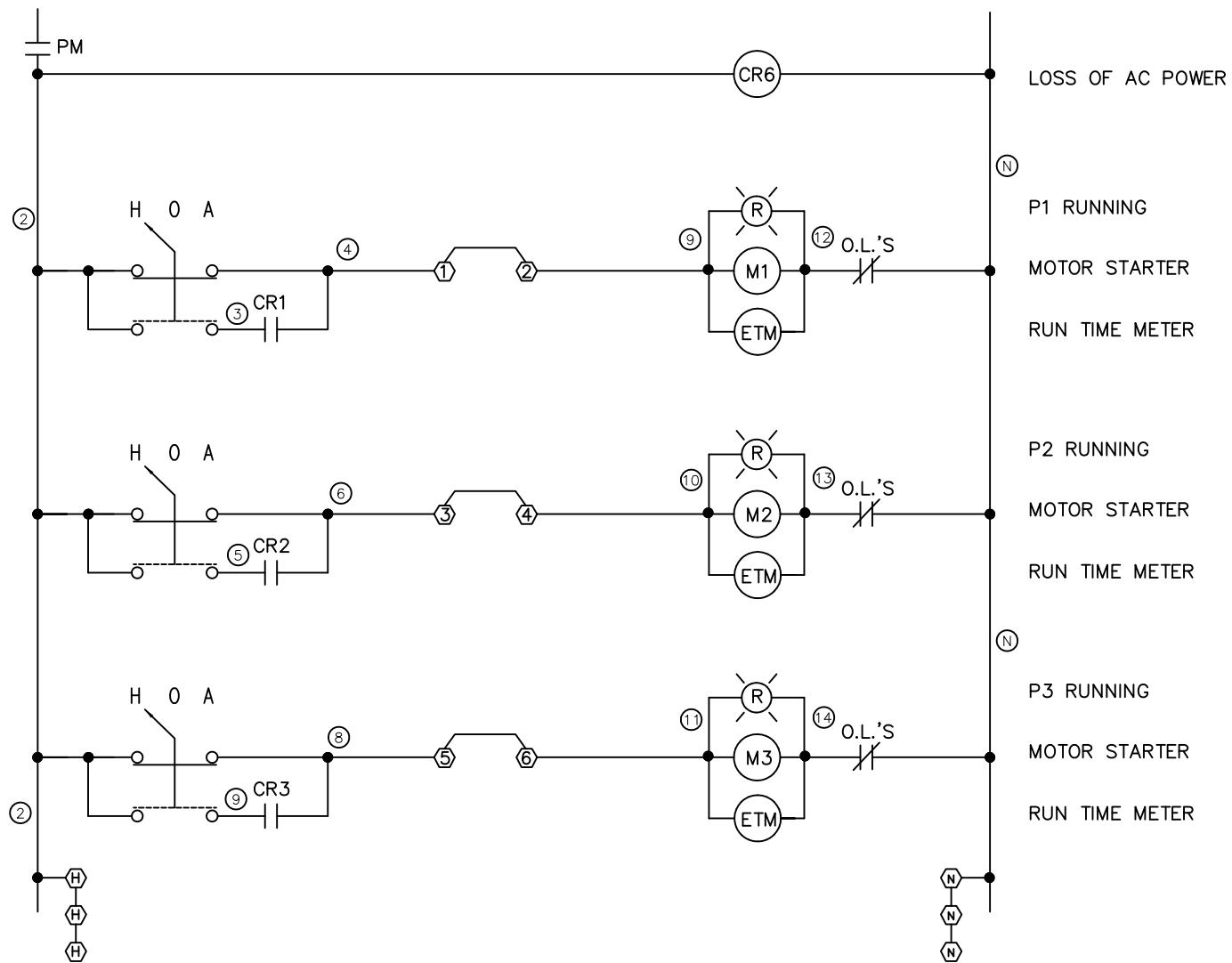
	Drawing Title  <b>PANEL DESCRIPTION</b>								
DATE 7/21/03		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY			DATE
	Project Title  <b>CONTROL PANEL 4</b>	<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology,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



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

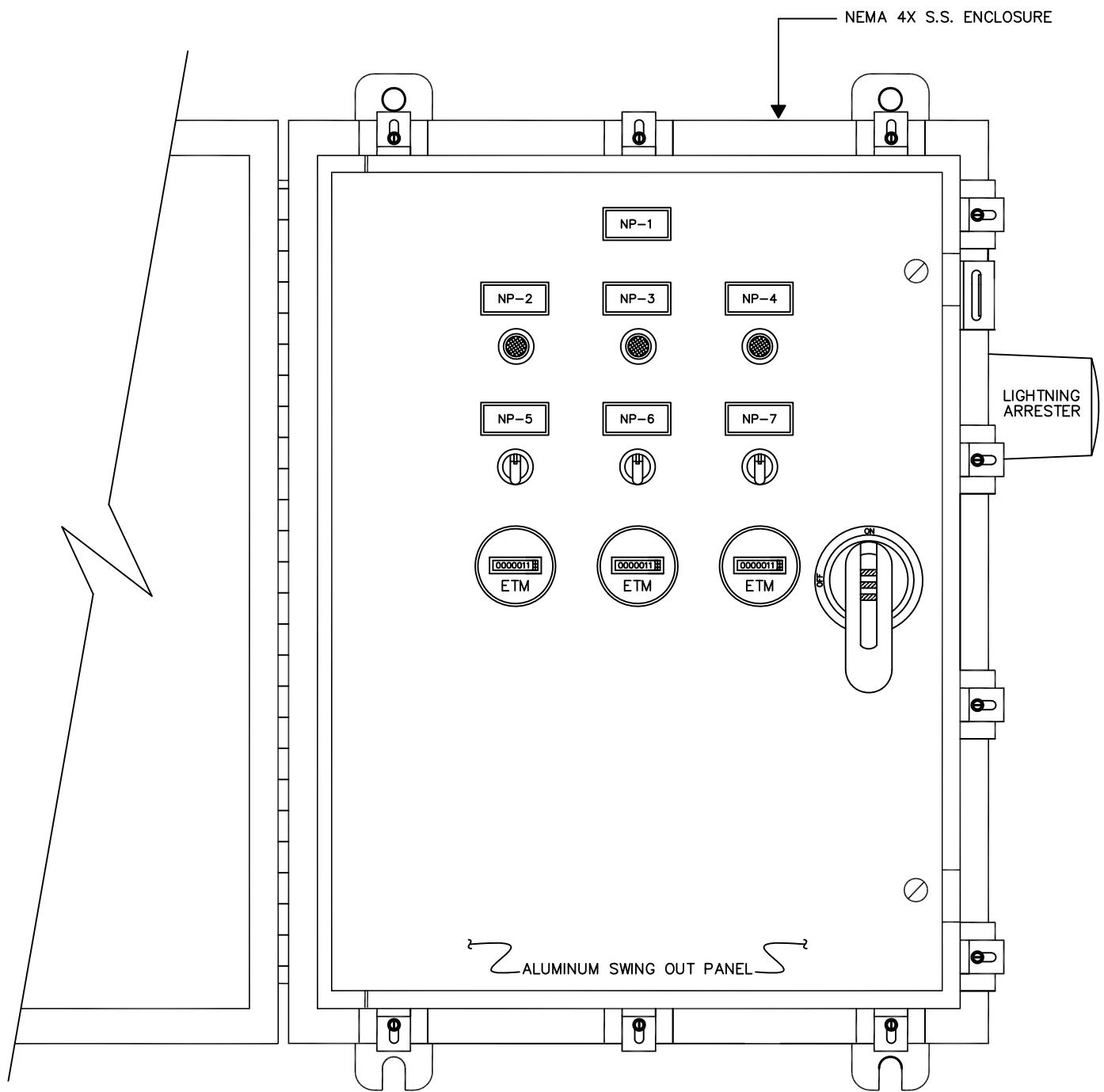


	Drawing Title  CONTROL DIAGRAM						
DATE 7/21/03	REFERENCE DRAWING	NO.	REVISION-LOCATION			ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	BY	DATE
	Project Title  CONTROL PANEL 4	<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1611	
				SHEET NUMBER 3			



SPARE CONTACTS

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

	Drawing Title					
	ENCLOSURE					
DATE 7/21/03	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE	
	Project Title CONTROL PANEL 4	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-1611 SHEET NUMBER 5		

# 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	OXB95J10	HANDLE
27	1	STOCK		RECEPTACLE

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 7/21/03			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
				C.C.	R.C.	BY C. RACHAL	BY	DATE	
	Project Title		 <b>COX</b> Research and Technology, Inc.		PURCHASE ORDER NUMBER				
	CONTROL PANEL 4				DRAWING NUMBER				
					CP-1611				
				SHEET NUMBER					
				5					