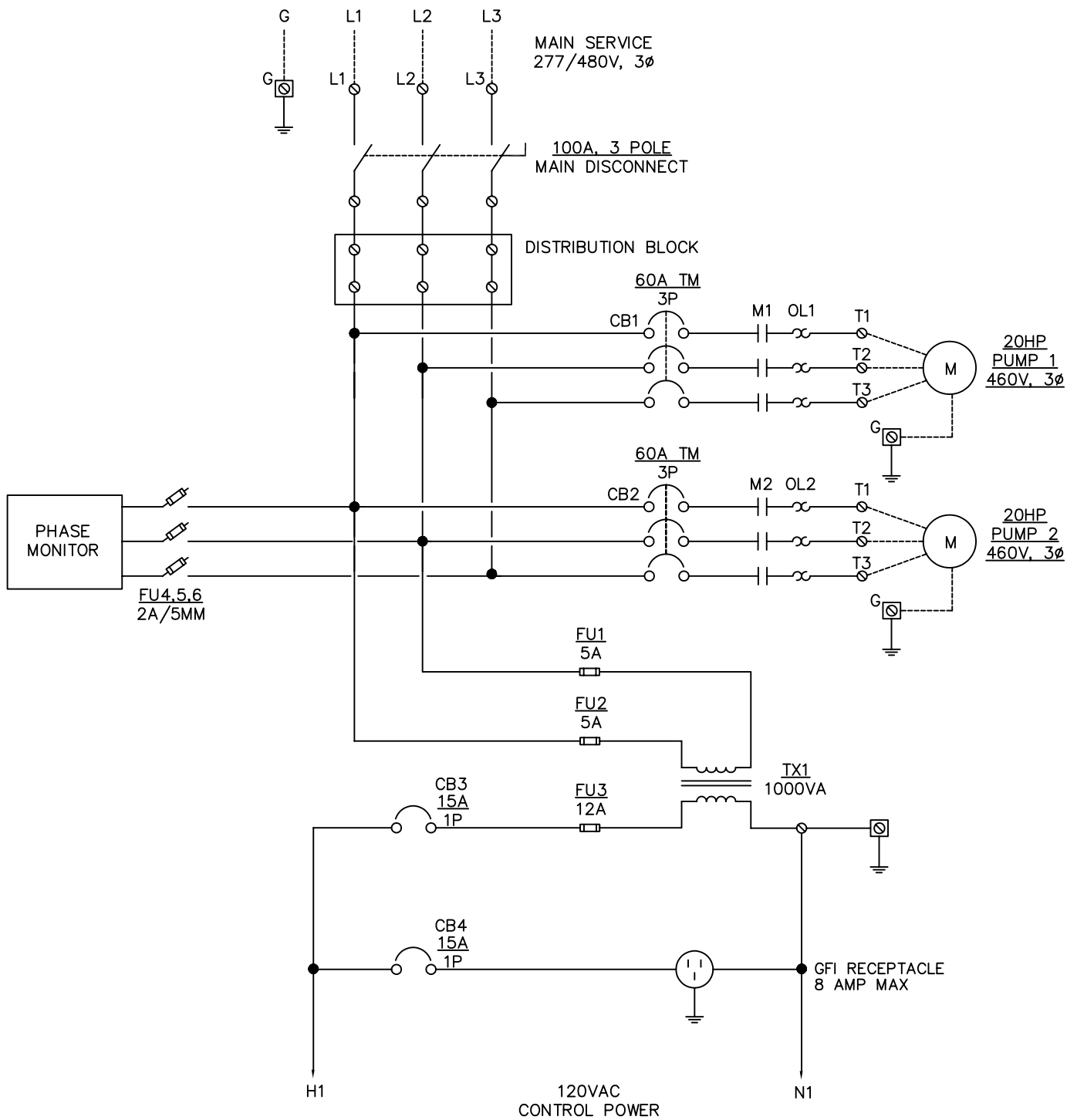

COX

Research and Technology, Inc.

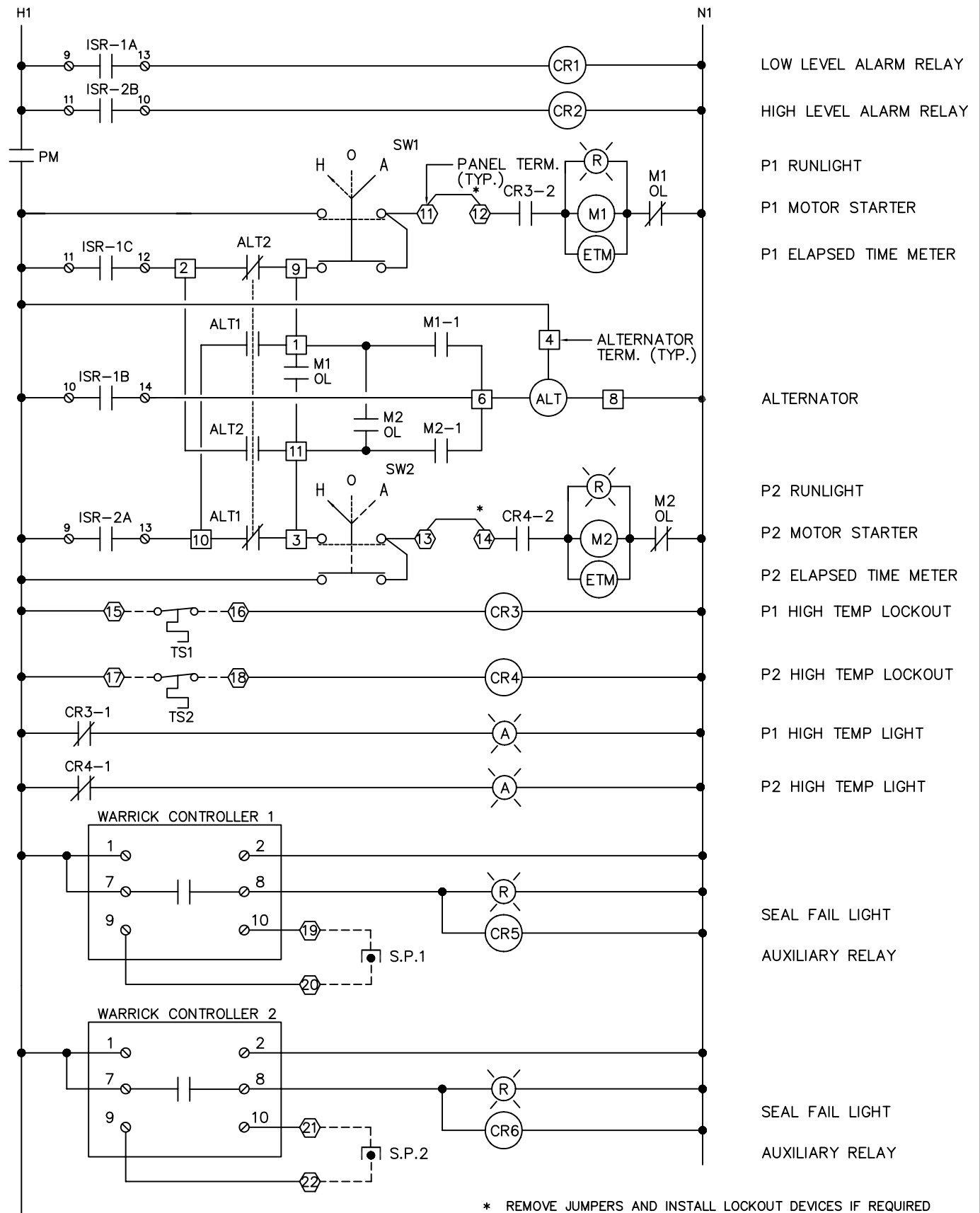
DUPLEX PUMP
CONTROL PANEL
MT. VERNON, TX

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

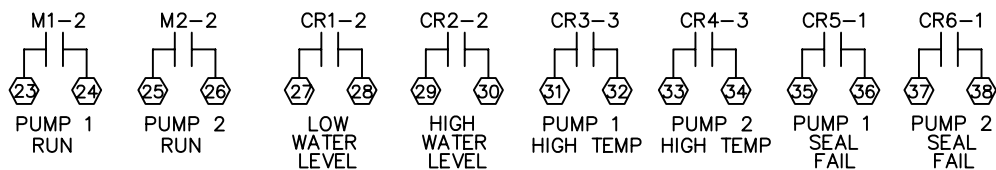
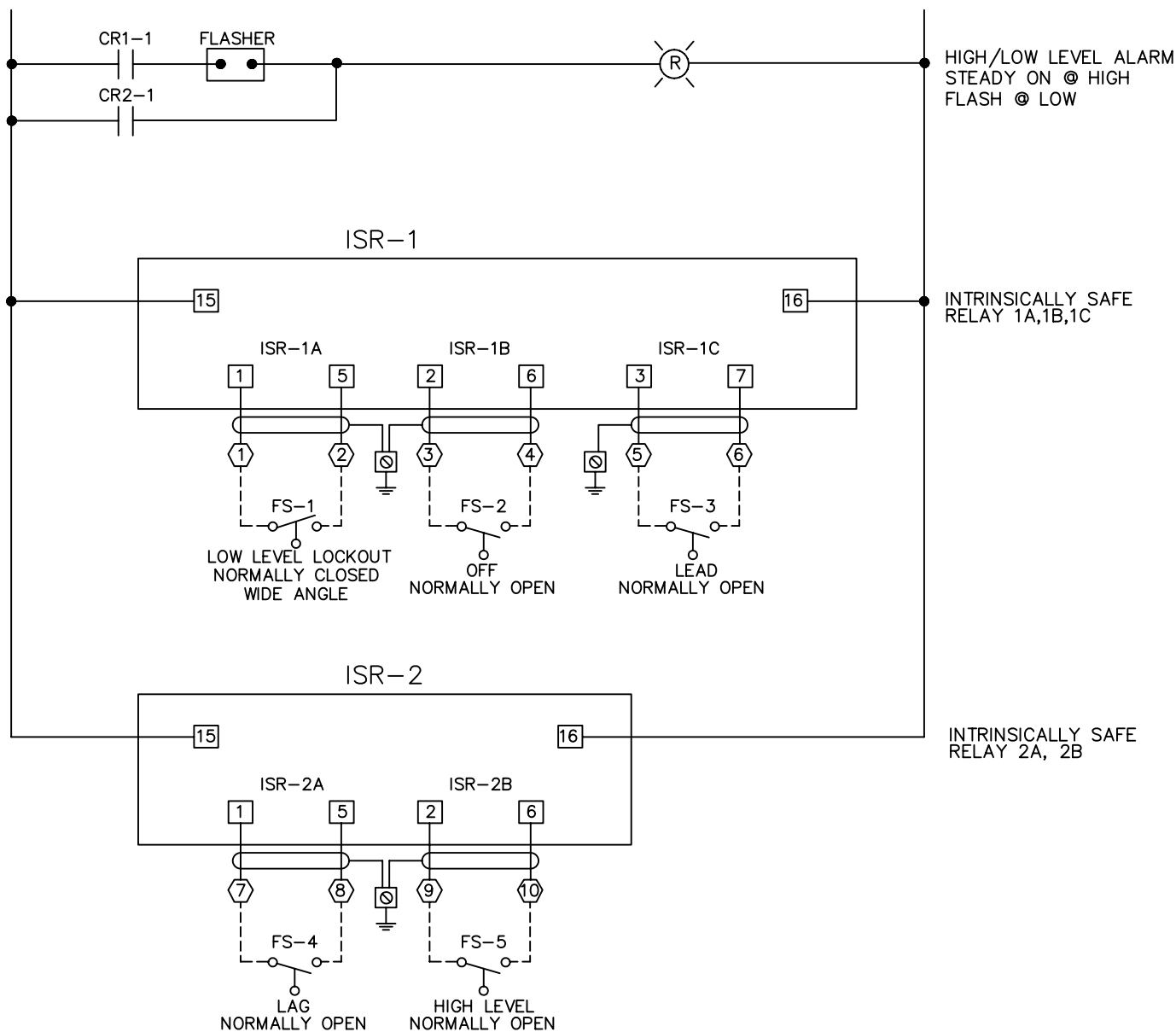
CP-2145



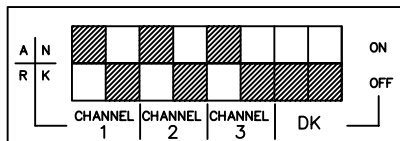
	Drawing Title								
	POWER DIAGRAM								
DATE 9/07/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY	APPROVED
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2145			
						SHEET NUMBER 2			



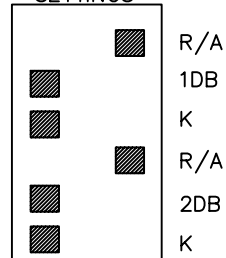
Drawing Title									
CONTROL DIAGRAM									
DATE 9/07/05	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE	BY
	S/N		Sales Engineer C.C.		Application Engineer R.C.		DRAWN BY C. RACHAL		APPROVED BY DATE
Project Title								PURCHASE ORDER NUMBER	
DUPLEX PUMP CONTROL PANEL								DRAWING NUMBER CP-2145	
								SHEET NUMBER 3	



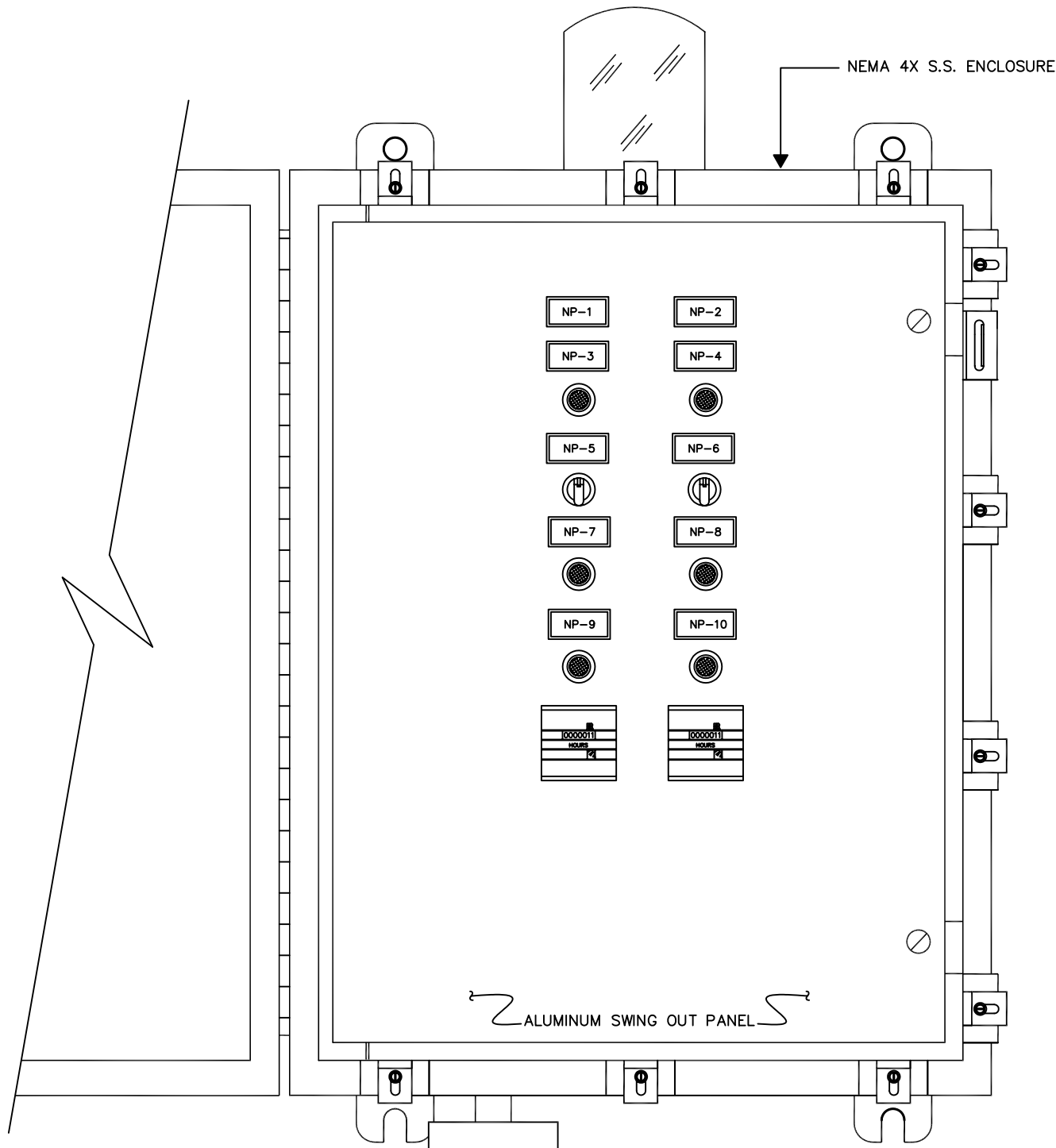
ISR-1
DIP SWITCH
SETTINGS



ISR-2
DIP SWITCH
SETTINGS



Drawing Title							
CONTROL DIAGRAM							
DATE 9/07/05		REFERENCE DRAWING		NO.		REVISION-LOCATION	
Project Title		S/N		Sales Engineer C.C.		Application Engineer R.C.	
DUPLIX PUMP CONTROL PANEL				DRAWN BY C. RACHAL		APPROVED BY DATE	
				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2145	
						SHEET NUMBER 4	



NOTE:
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1 PUMP 1
NP-2 PUMP 2
NP-3 RUN
NP-4 RUN
NP-5 HOA
NP-6 HOA
NP-7 SEAL FAIL
NP-8 SEAL FAIL
NP-9 HIGH TEMP
NP-10 HIGH TEMP

	Drawing Title								
	ENCLOSURE								
DATE 9/07/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	BY C. RACHAL	ECN	DATE	BY	APPROVED
	Project Title	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-2145			
						SHEET NUMBER 5			

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S302410N4X	ENCLOSURE S.S. 4X
1a	1	EBE	A3024P	BACKPLATE
1b	1	EBE	A3024SP	DEAD FRONT
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	1	MARATHON	1323580	DISTRIBUTION BLOCK
4	2	ABB	SIN060TL	CB1,2
5	2	ABB	A50N2-30-11-84	MS1,2
6	2	ABB	TA75DU32	OL1,2 (24-32A)
7	1	SQUARE D	9070TF1000D1	TRANSFORMER
8	2	ACI	JR22P3M20B	HOA SWITCH
9	2	ACI	JR22FY	AMBER PILOT LIGHT
10	4	ACI	JR22FR	RED PILOT LIGHT
11	1	TIMEMARK	261DT120	ALTERNATOR
12	1	AC/DC	BL5-R-120	ALARM LIGHT
13	2	REDDINGTON	711-0190	ELAPSED TIME METER
14	1	STOCK		GFI RECEPTACLE
15	2	SQUARE D	QOU115	CB3,4
16	1	SSAC	PLMU11	PHASE MONITOR
17	2	WARRICK	2800	SEAL FAIL RELAYS
18	6	IDEC	RU4SA110	CR1-6
19	1	SSAC	FS126RC	FLASHER
20	1	TURCK	MK13-33EX0-R/115VAC	ISR1
21	1	TURCK	MK13-22EX0-R/115VAC	ISR2
22	2	ABB	CAL5-11	AUXILIARY CONTACTS
23				
24				
25				
26				
27				
28				
29				
30				

*

* SUPPLIED BY CFEF

	Drawing Title						
	BILL OF MATERIALS						
DATE 9/07/05		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="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)755-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-2145 SHEET NUMBER 6
	DUPLEX PUMP CONTROL PANEL						