
COX

Research and Technology, Inc.

MARKSVILLE CASINO
DUPLEX PUMP
CONTROL PANEL

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

CP-2207

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	3	
FLA	23	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	XSGV3022L	

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	Yes	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

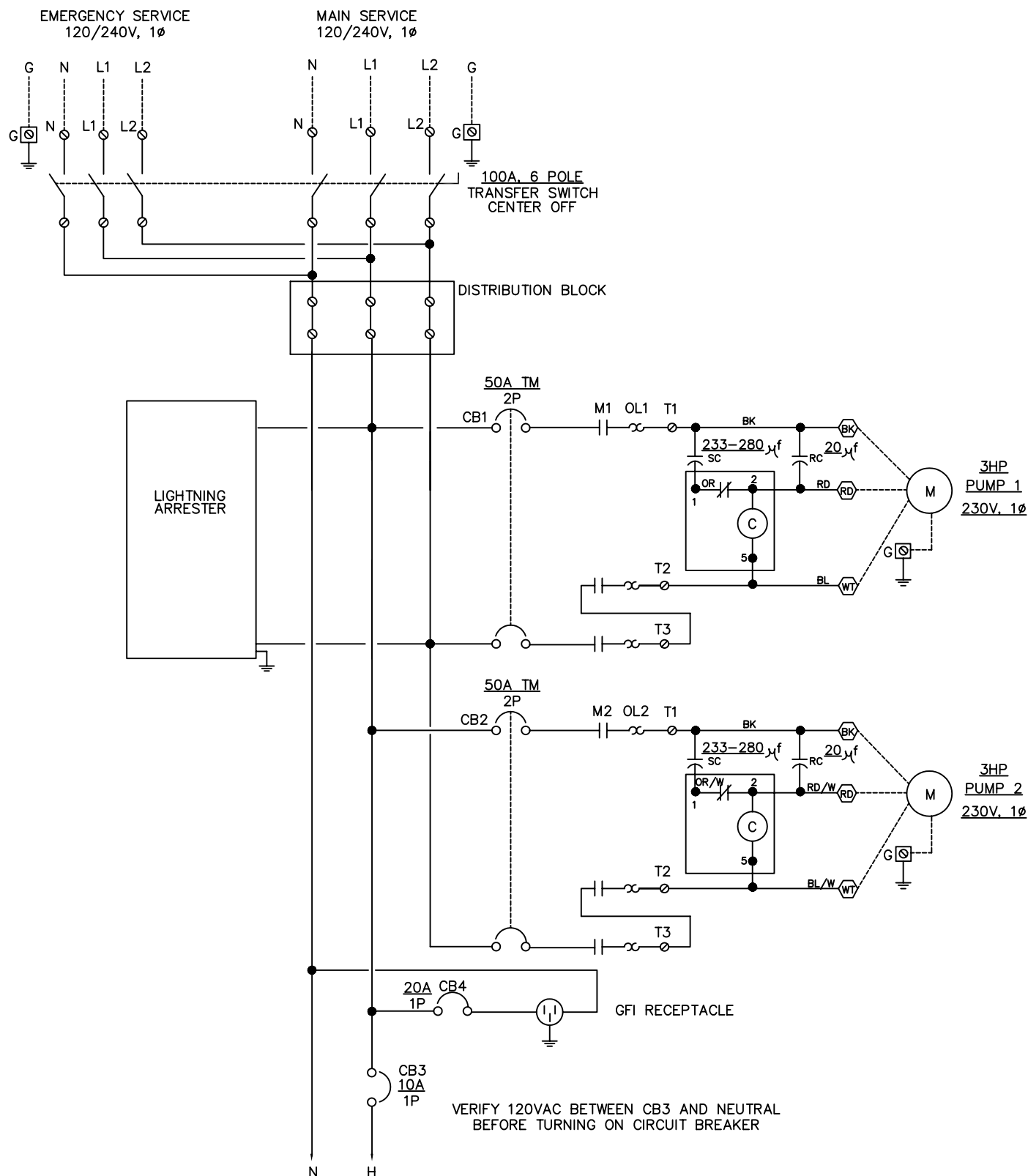
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED	X	
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS	X	
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process - Denham Springs, LA

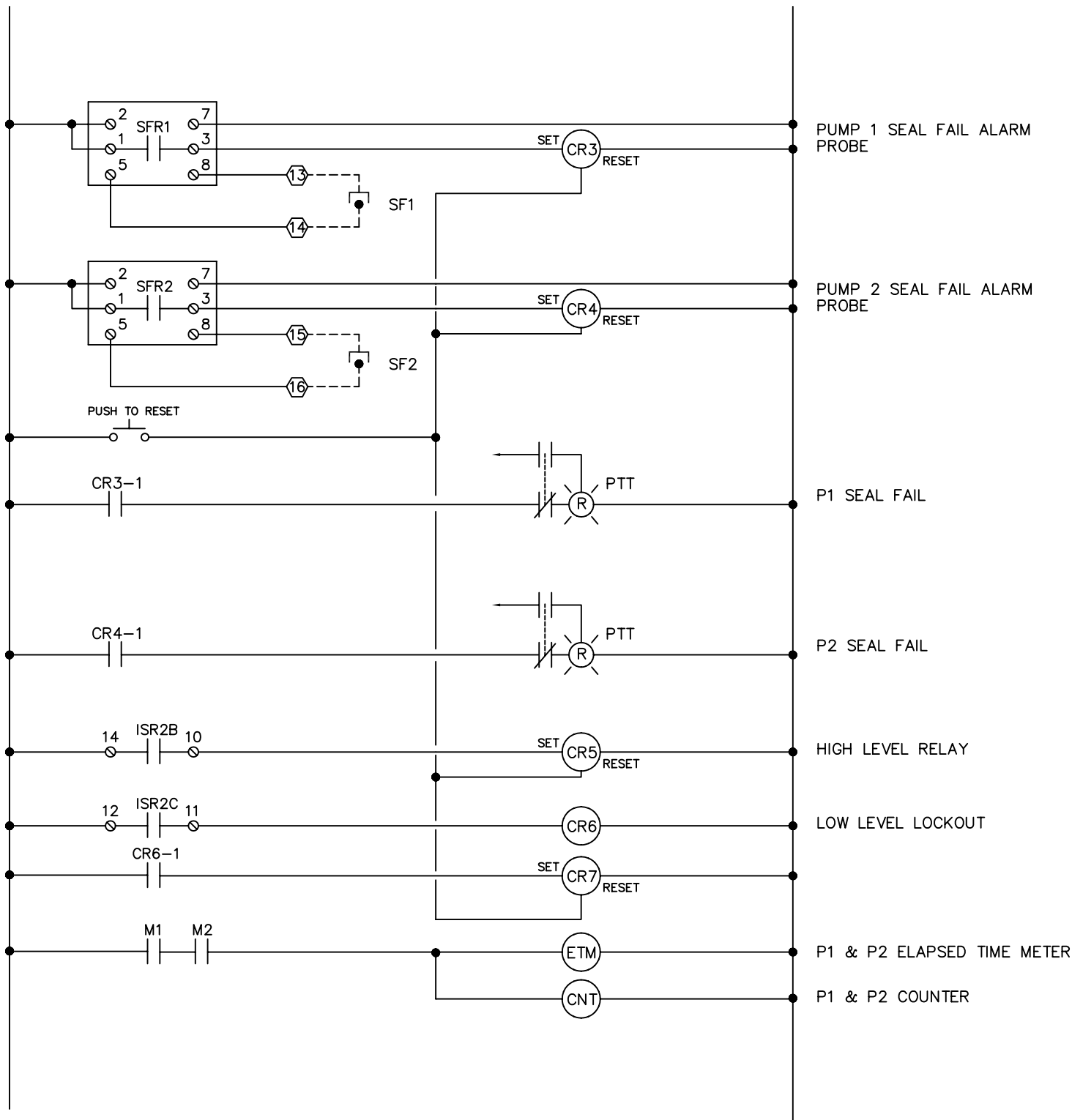
TAG : Marksville Casino

SHIP TO: Delta Process - Denham Springs, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 11/15/05		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="text-align: center;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLIX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2207
							SHEET NUMBER 1



Drawing Title									
POWER DIAGRAM									
DATE 11/15/05		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	
		S/N		Sales Engineer C.C.		Application Engineer R.C.		DRAWN BY C. RACHAL	
Project Title								APPROVED BY	
DUPLEX PUMP CONTROL PANEL								DATE	
								PURCHASE ORDER NUMBER	
								DRAWING NUMBER CP-2207	
								SHEET NUMBER	
								2	



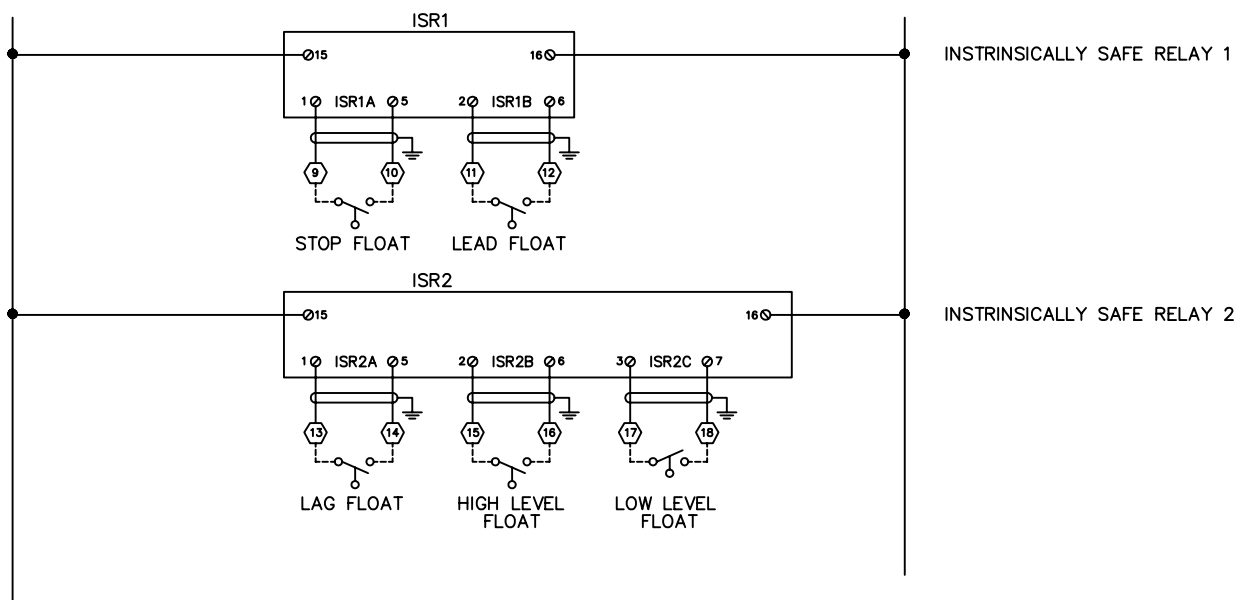
	Drawing Title								
	CONTROL DIAGRAM								
DATE 11/15/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	BY C. RACHAL	ECN	DATE	BY	APPROVED
	Project Title	PURCHASE ORDER NUMBER							
	DUPLEX PUMP CONTROL PANEL	DRAWING NUMBER CP-2207							
		SHEET NUMBER							

COX

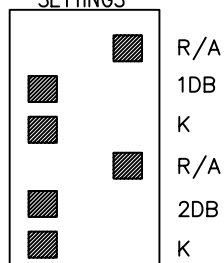
Research and Technology, Inc.

P.O. Box 77808
Baton Rouge, LA
70809

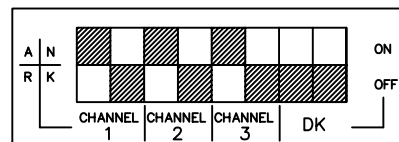
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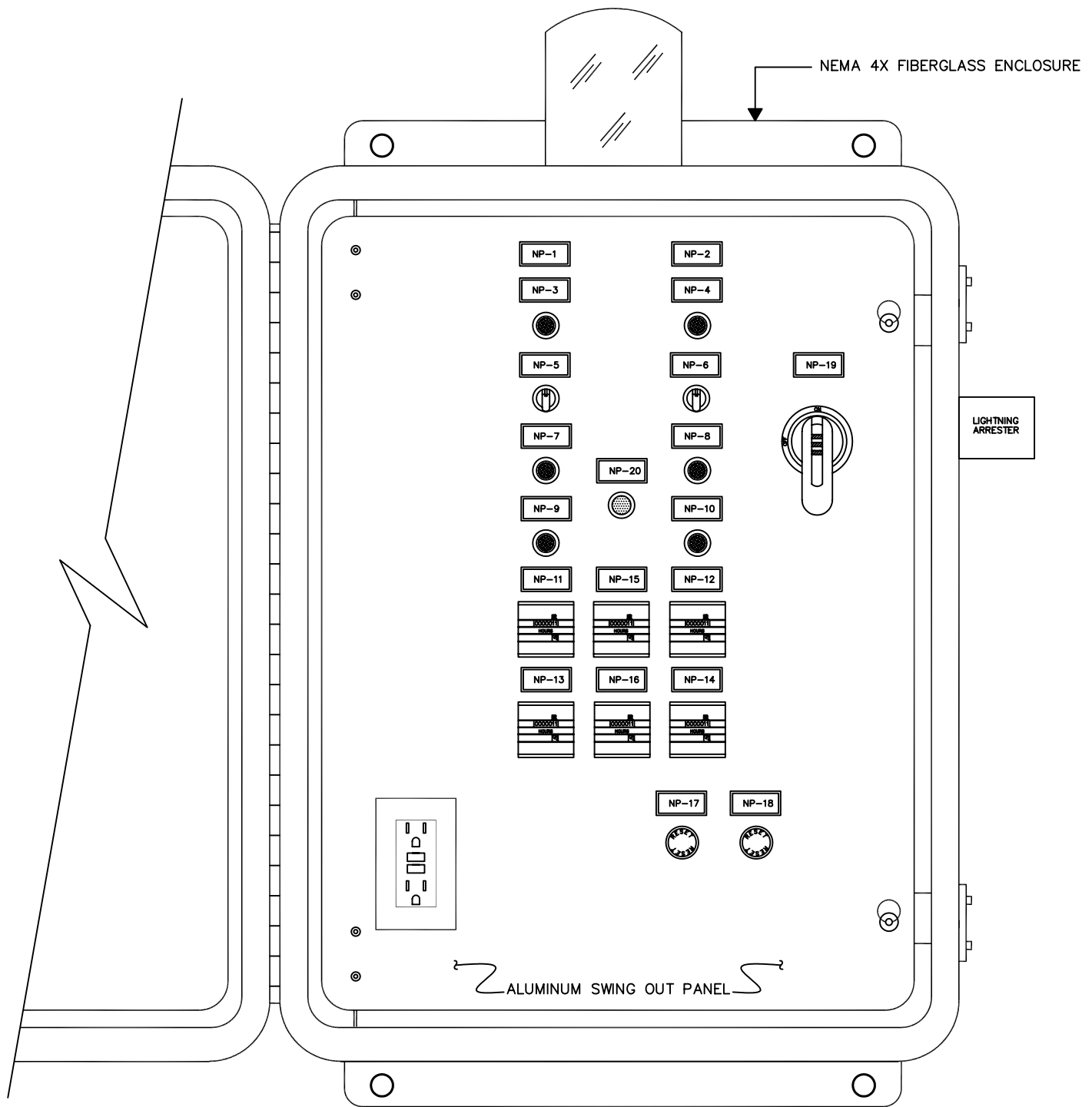
ISR1
DIP SWITCH
SETTINGS



ISR2
DIP SWITCH
SETTINGS



	Drawing Title							
	CONTROL DIAGRAM							
DATE 11/15/05		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			
	DUPLEX PUMP CONTROL PANEL	PURCHASE ORDER NUMBER			DRAWING NUMBER CP-2207			
		SHEET NUMBER			5			



VIEW OF SWING OUT PANEL

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	PUMP 1	NP-11	ETM
NP-2	PUMP 2	NP-12	ETM
NP-3	RUN	NP-13	COUNTER
NP-4	RUN	NP-14	COUNTER
NP-5	HOA	NP-15	PUMP 1 & PUMP 2/ETM
NP-6	HOA	NP-16	PUMP 1 & PUMP 2/COUNTER
NP-7	OVERLOAD	NP-17	OVERLOAD RESET
NP-8	OVERLOAD	NP-18	OVERLOAD RESET
NP-9	SEAL FAIL	NP-19	MAIN CIRCUIT BREAKER
NP-10	SEAL FAIL	NP-20	ALARM RESET

Drawing Title	ENCLOSURE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 11/15/05			S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
Project Title	DUPLEX PUMP CONTROL PANEL		COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER	
							DRAWING NUMBER CP-2207	
							SHEET NUMBER 6	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM24200RL	ENCLOSURE
1a	1	ALLIED	PA2420	SWING PANEL
1b	1	ALLIED	HFP-2420	BACKPLATE
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	2	ABB	A26-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU25	O.L. RELAY (18-25A)
5	2	SQUARE D	QOU250	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ACI	JR22BL11R	RED PILOT LIGHT PTT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	2	ACI	JR22BL11G	GREEN PILOT LIGHT PTT
11	2	DAYTON	2A561	TIME DELAY 1,2
12	1	SQUARE D	QOU110	CB4
13	1	ACI	JR22AN11B	PUSH BUTTON
14	3	IDEC	RY2S-UAC120	CR1,2,6
15	2	WWG	6X555	STARTER
16	2	WWG	4CU57	START CAPACITOR
17	2	WWG	6X660	RUN CAPACITOR
18	1	ABB	OT100E3C	TRANSFER SWITCH
19	1	ABB	OHB2AJE011	HANDLE
20	1	DELTA	LA302R	LIGHTNING ARRESTER
21	2	SSAC	LLC54AA	SEAL FAIL RELAY
22	1	SQUARE D	QOU120	CB3
23	1	ABB	OX55X180	SHAFT
24	4	MAGNECRAFT	W388AMLCPX-9	CONTROL RELAY 3,4,5,7
25	2	ABB	KPR3-104B	O.L. RESET PUSH BUTTON
26	1	STOCK		GFI
27	1	TURCK	MK13-22EXOR/115VAC	ISR1
28	1	TURCK	MK13-33EXOR/115VAC	ISR2
29	3	REDINGTON	711-0190	ETM
30	3	REDINGTON	P2-4816	COUNTERS
31				

Drawing Title <div style="text-align: center; font-size: 1.2em; font-weight: bold;">BILL OF MATERIALS</div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DATE 11/15/05</td> <td style="width: 20%; text-align: center;"> REFERENCE DRAWING S/N </td> <td style="width: 10%; text-align: center;"> NO. Sales Engineer C.C. </td> <td style="width: 20%; text-align: center;"> Application Engineer R.C. </td> <td style="width: 20%; text-align: center;"> REVISION-LOCATION DRAWN BY C. RACHAL </td> <td style="width: 10%; text-align: center;"> ECN BY </td> <td style="width: 10%; text-align: center;"> DATE DATE </td> <td style="width: 10%; text-align: center;"> BY </td> </tr> </table> <div style="display: flex; justify-content: space-between; align-items: flex-start; padding-top: 10px;"> <div style="width: 35%;"> Project Title <div style="text-align: center; font-size: 1.5em; font-weight: bold;">COX</div> <div style="text-align: center; font-size: 0.8em;">Research and Technology, Inc.</div> </div> <div style="width: 30%; text-align: center;"> P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030 </div> <div style="width: 30%; text-align: center;"> PURCHASE ORDER NUMBER DRAWING NUMBER CP-2207 SHEET NUMBER 7 </div> </div>	DATE 11/15/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	Application Engineer R.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN BY	DATE DATE	BY
DATE 11/15/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	Application Engineer R.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN BY	DATE DATE	BY		