
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-2207r1

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		

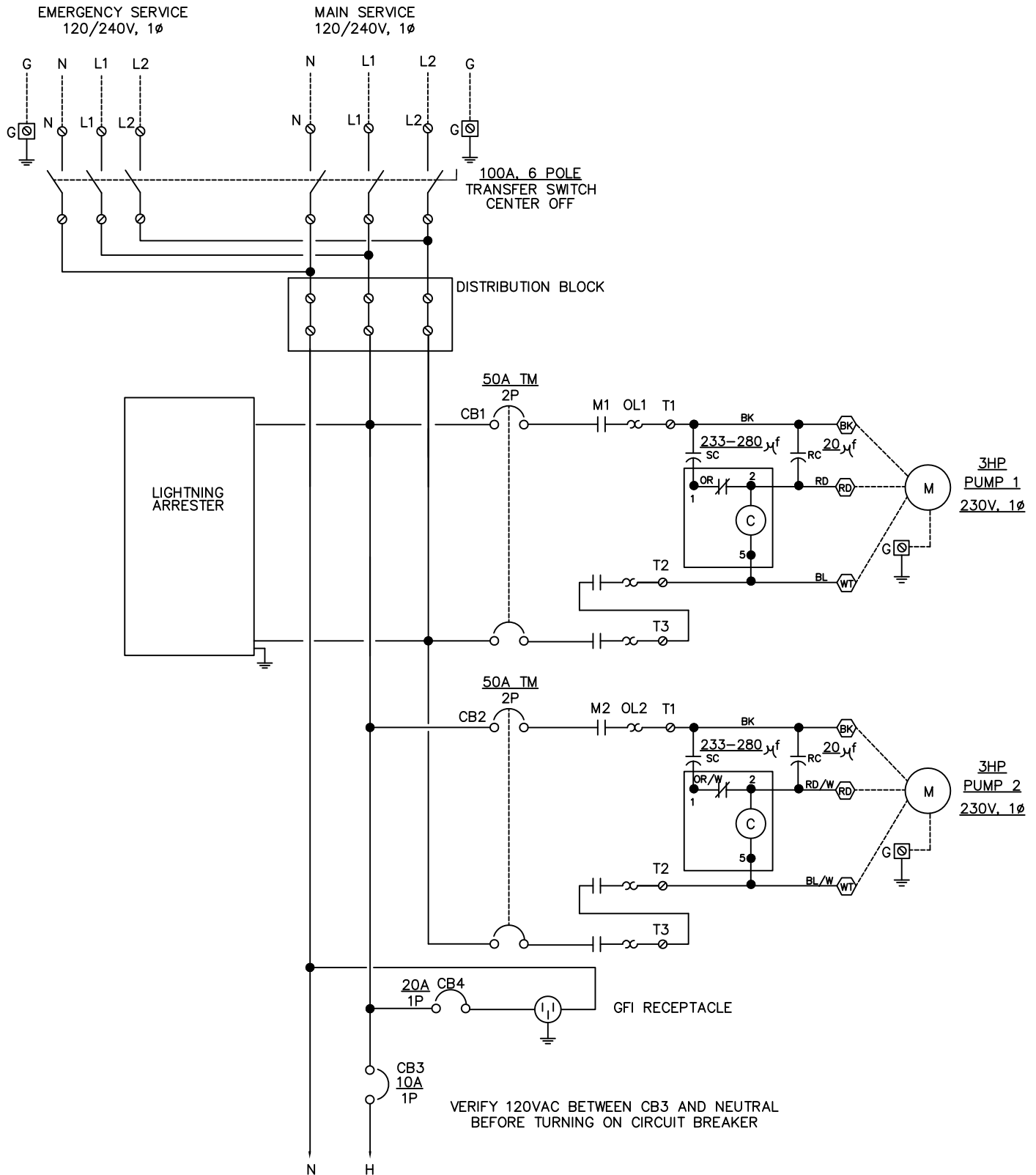
OPTIONS:

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		

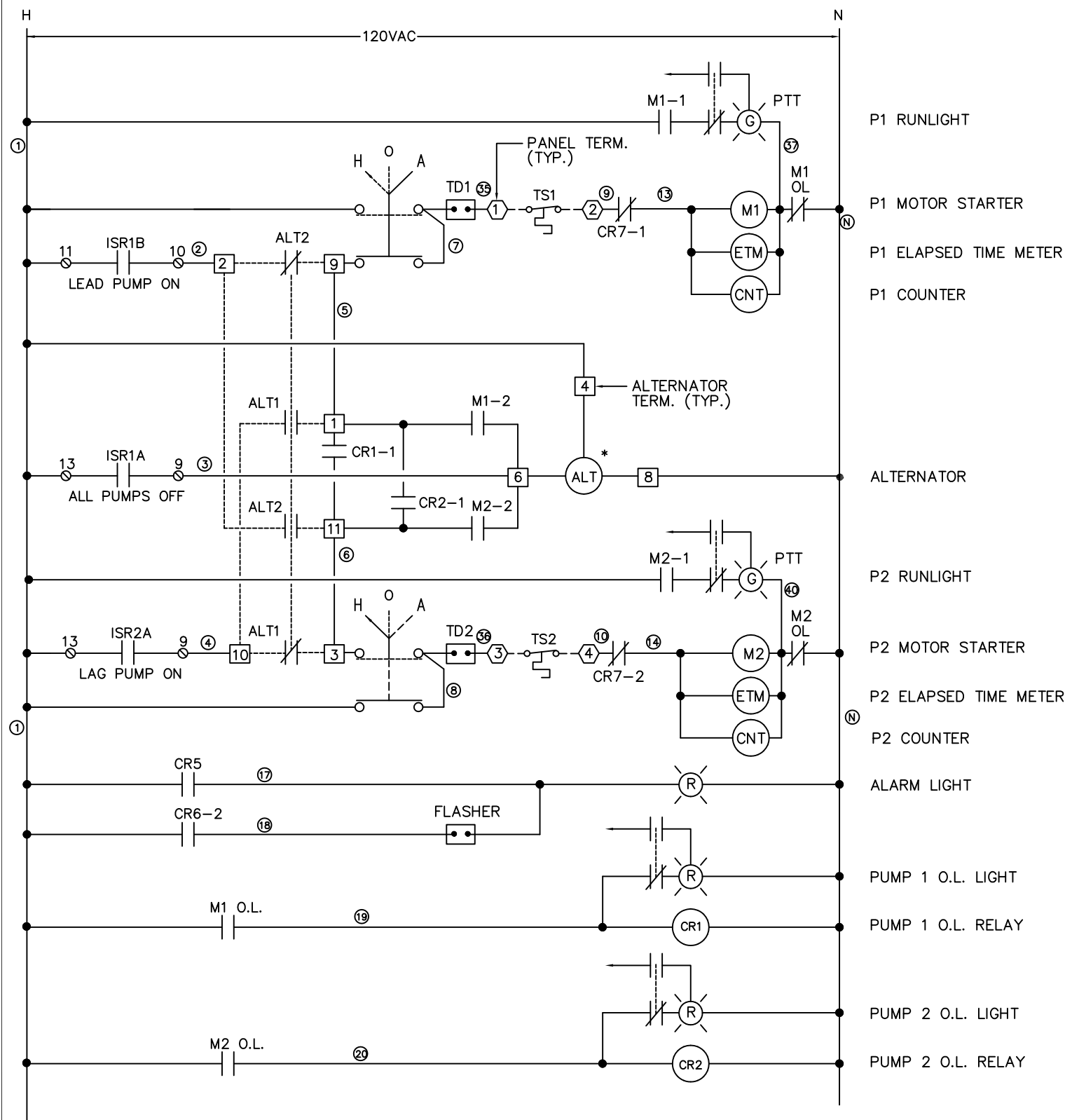
SOLD TO: Delta Process - Denham Springs, LA
TAG : Marksville Casino

SHIP TO: Delta Process - Denham Springs, LA

	Drawing Title		R1	Add Low Level Time Delay		09/04/07	HNB
	PANEL DESCRIPTION						
DATE 11/15/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div>COX</div> 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-2207r1	
						SHEET NUMBER 1	



DATE 11/15/05	Drawing Title		R1	Add Low Level Time Delay	09/04/07	HNB
	POWER DIAGRAM					
Project Title	REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE
	S/N		Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED
Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
Project Title		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2207r1	
Project Title					SHEET NUMBER	
					2	



* LEAD PUMP SELECTOR SWITCH LOCATED ON ALTERNATOR IN CONTROL PANEL

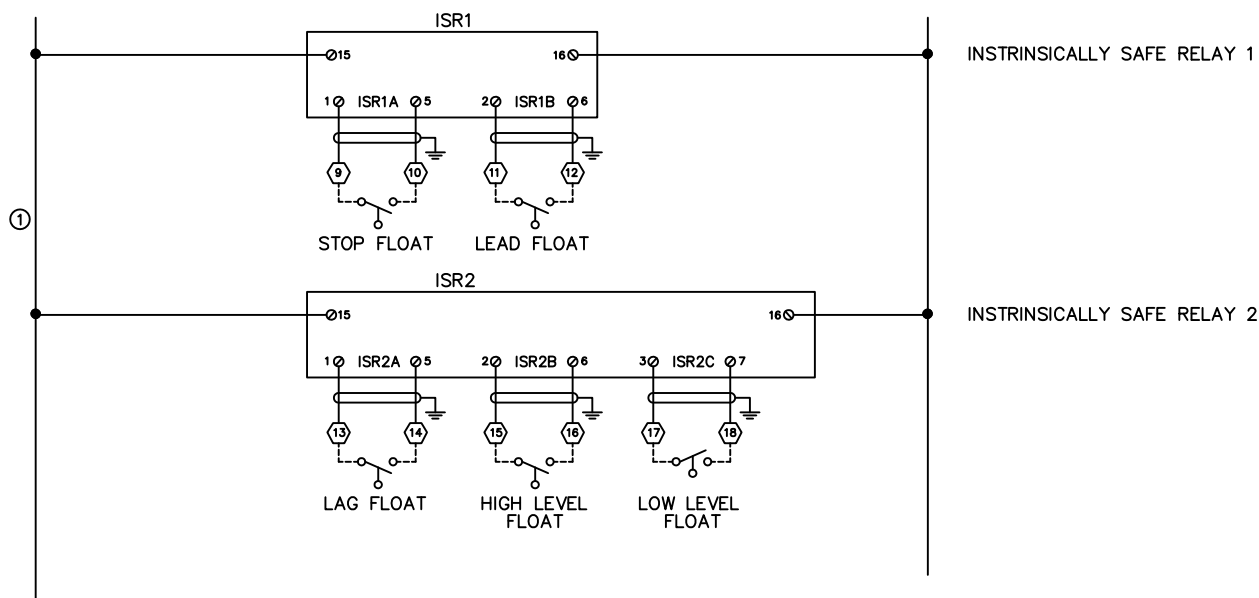
	Drawing Title	R1	Add Low Level Time Delay	09/04/07	HNB
	CONTROL DIAGRAM				
DATE	11/15/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN DATE BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL
	Project Title				APPROVED BY DATE
	DUPLEX PUMP CONTROL PANEL				PURCHASE ORDER NUMBER
					DRAWING NUMBER CP-2207r1
					SHEET NUMBER
					3

COX

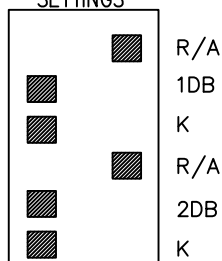
Research and Technology, Inc.

P.O. Box 77808
Baton Rouge, LA
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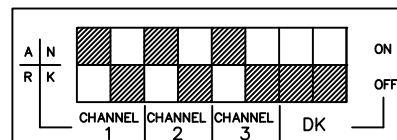
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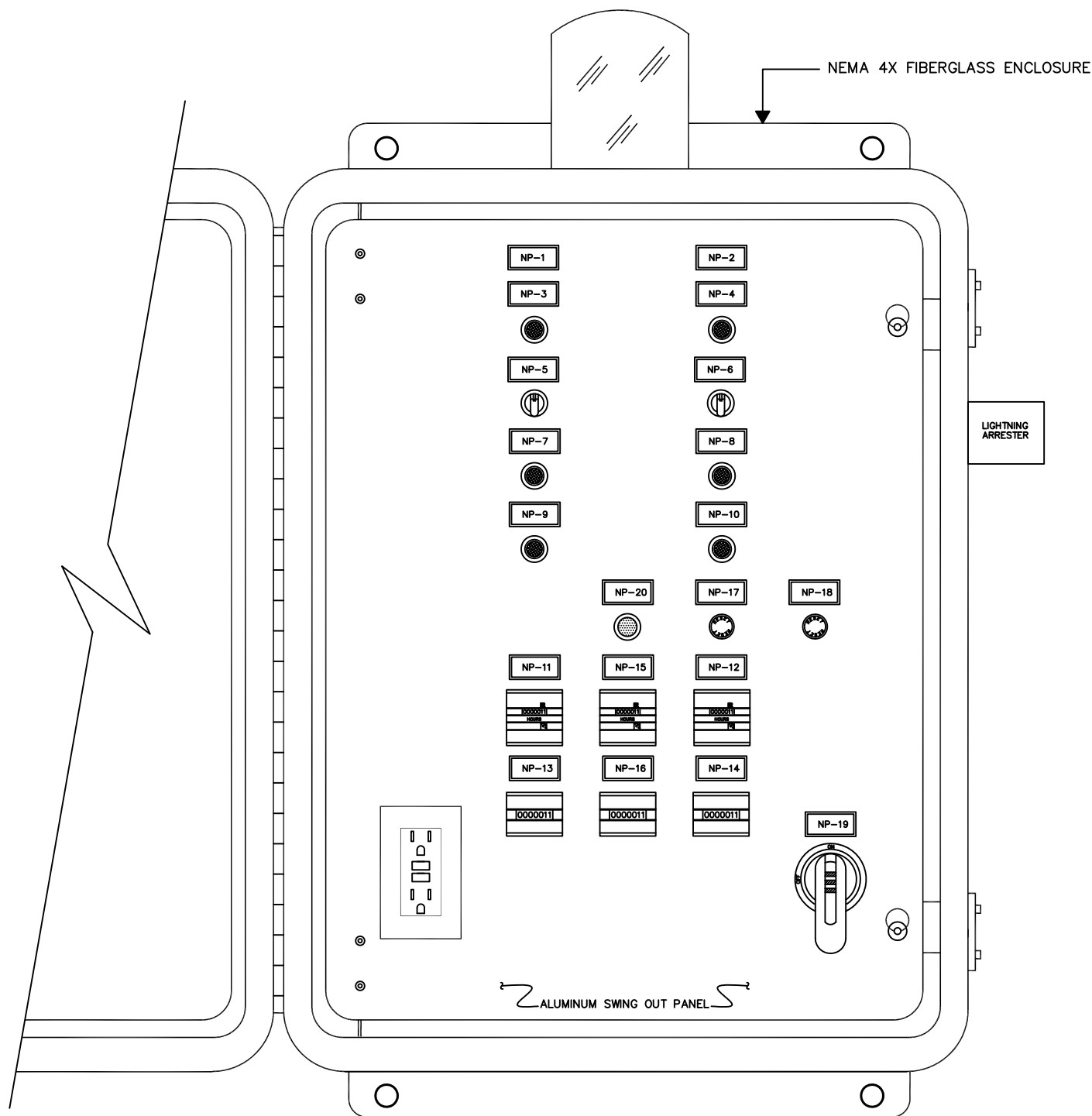
ISR1
DIP SWITCH
SETTINGS



ISR2
DIP SWITCH
SETTINGS



	Drawing Title	R1	Add Low Level Time Delay	09/04/07	HNB
	CONTROL DIAGRAM				
DATE 11/15/05	Project Title	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION BY C. RACHAL	ECN DATE
	DUPLEX PUMP CONTROL PANEL		Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY DATE
		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-2207r1 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
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BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM30240RL	ENCLOSURE
1a	1	ALLIED	PA3024	SWING PANEL
1b	1	ALLIED	HFP-3024	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	OXS5X180	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	1	OMRON	H3YN2AC120	TD3

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	BILL OF MATERIALS							
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	BY
		<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-2207r1 SHEET NUMBER <div style="text-align: right;">7</div>	
	Project Title	DUPLEX PUMP CONTROL PANEL						