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# COX

Research and Technology, Inc.

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SAW MILL CREEK III  
DUPLEX PUMP  
CONTROL PANEL

FIELD REVISION  
JUNE 9, 2025

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

CP-2335R1

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	3	
FLA	21.5	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER		


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 - In Pump	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

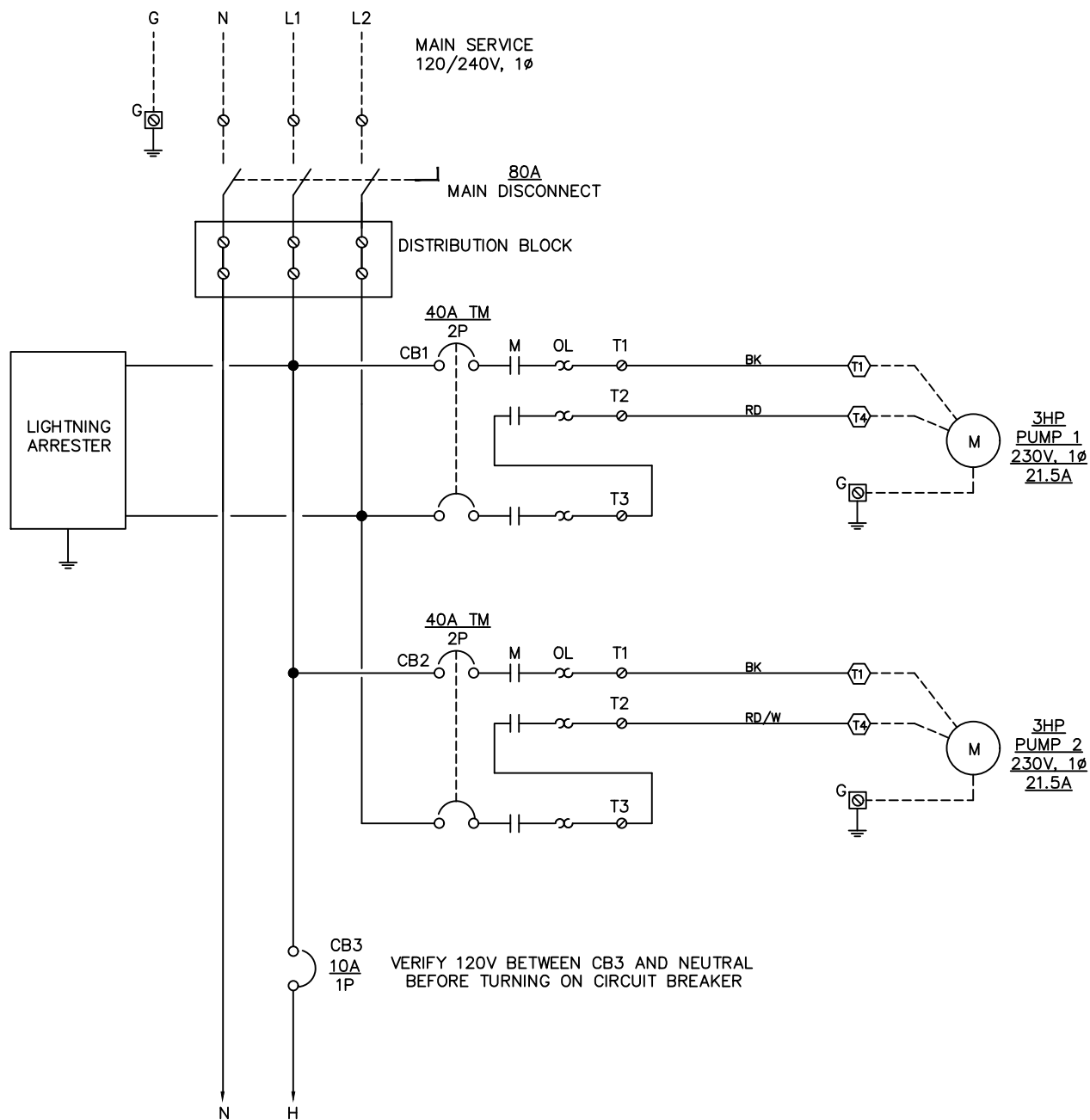
**OPTIONS:**

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

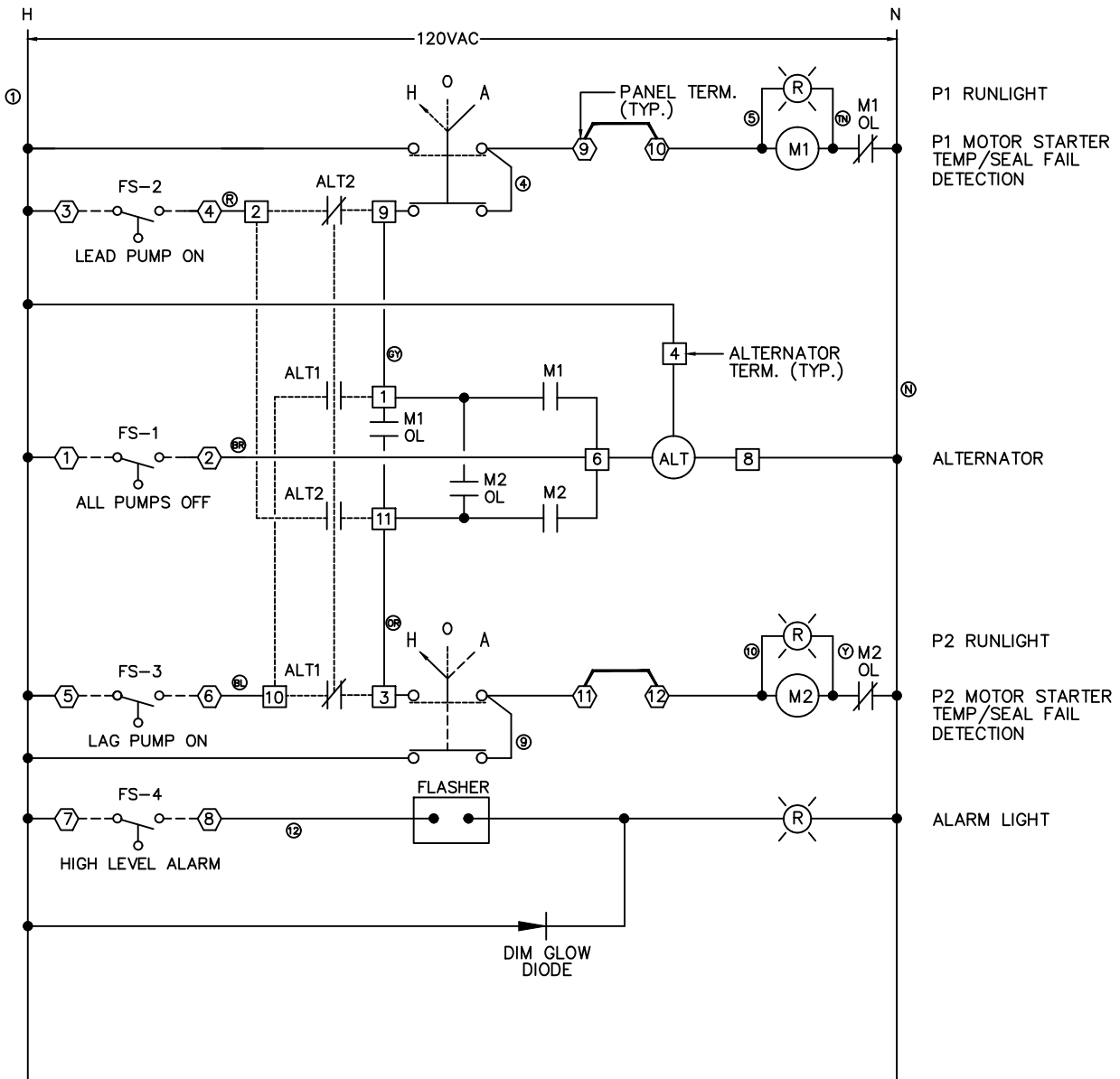
SOLD TO: Delta Process - New Orleans, LA  
TAG : SAW MILL CREEK III

SHIP TO: Delta Process - Denham Springs, LA

	Drawing Title						
	PANEL DESCRIPTION						
			R1	UPGRADED TO 3HP		06/09/25	T.L.
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
3/13/06		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title	<div style="text-align: center;">   <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	<b>DUPLEX PUMP CONTROL PANEL</b>				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2335R1
							SHEET NUMBER 1



	Drawing Title							
	POWER DIAGRAM		R1	UPGRADED TO 3HP		06/09/25	T.L.	
DATE 3/13/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN BY	DATE	BY
	Project Title	<div style="text-align: center;"> <b>COX</b>  Research and Technology, Inc. </div>			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-2335R1		
						SHEET NUMBER 2		



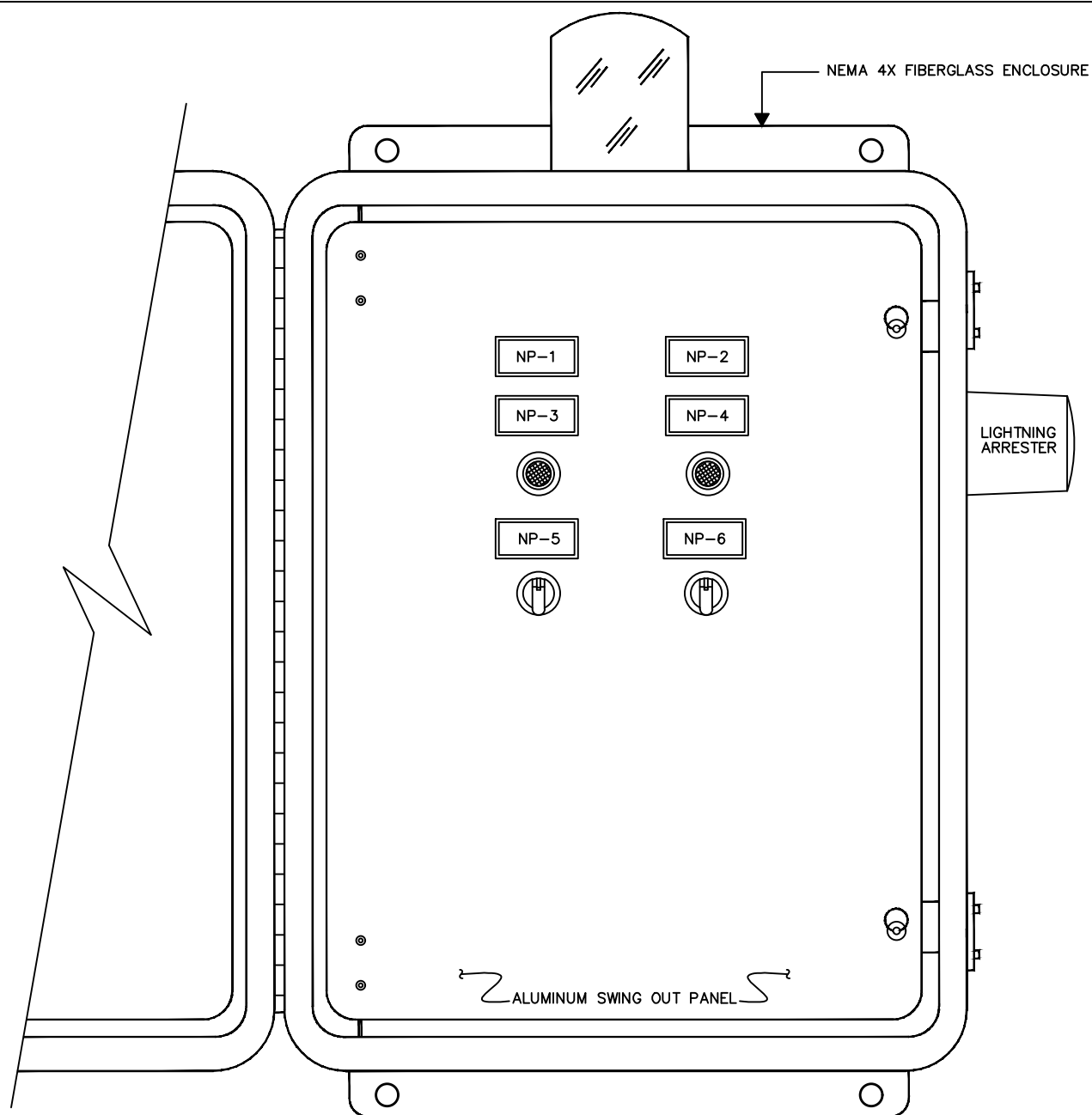
	Drawing Title							
	CONTROL DIAGRAM		R1	UPGRADED TO 3HP		06/09/25	T.L.	
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
3/13/06		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED		
	Project Title				BY C. RACHAL	BY	DATE	
	DUPLEX PUMP CONTROL PANEL							PURCHASE ORDER NUMBER
								DRAWING NUMBER CP-2335R1
								SHEET NUMBER 3

**COX**

Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809

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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

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

DATE 3/13/06	Drawing Title								
	ENCLOSURE			R1	UPGRADED TO 3HP			06/09/25	T.L.
	Project Title	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		BY	DATE	
	DUPLEX PUMP CONTROL PANEL	<div style="text-align: center;"> <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
					Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2335R1		
							SHEET NUMBER 4		

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	AF26N1-30-00-13	MOTOR STARTER
4	2	ABB	TF42-24	O.L. RELAY (20-24A)
5	2	SQUARE D	QOU240	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	1	DELTA	LA302R	LIGHTNING ARRESTER
11	1	SQUARE D	QOU110	CB3
12	1	MARATHON	1323580	DISTRIBUTION BLOCK
13	2	ABB	CA4-10	AUX CONTACTS
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title   BILL OF MATERIALS								
				R1	UPGRADED TO 3HP			06/09/25	T.L.
DATE 3/13/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL		ECN	DATE	BY	
			Application Engineer R.C.				APPROVED		
	Project Title  DUPLEX PUMP CONTROL PANEL	<div><div></div><div>COX</div><div>Research and Technology, Inc.</div><div></div></div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2335R1  SHEET NUMBER 5		