
COX

Research and Technology, Inc.

PINE CREEK DUPLEX PUMP CONTROL PANEL

FIELD REVISION
01/11/23

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

CP-1400R1

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	5, 7.5	
FLA	12.5, 22	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
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	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE	2,4	

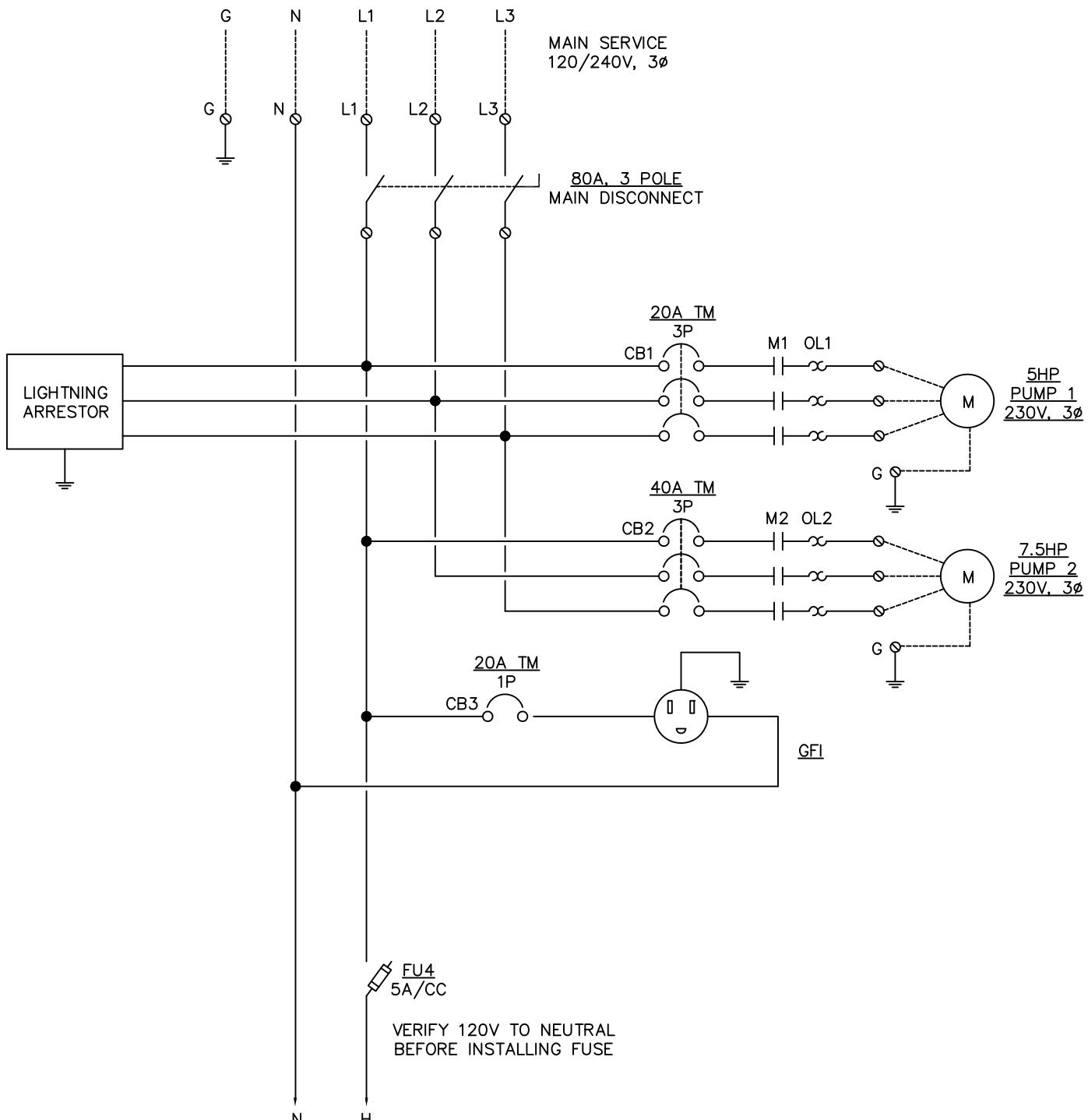
OPTIONS:

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

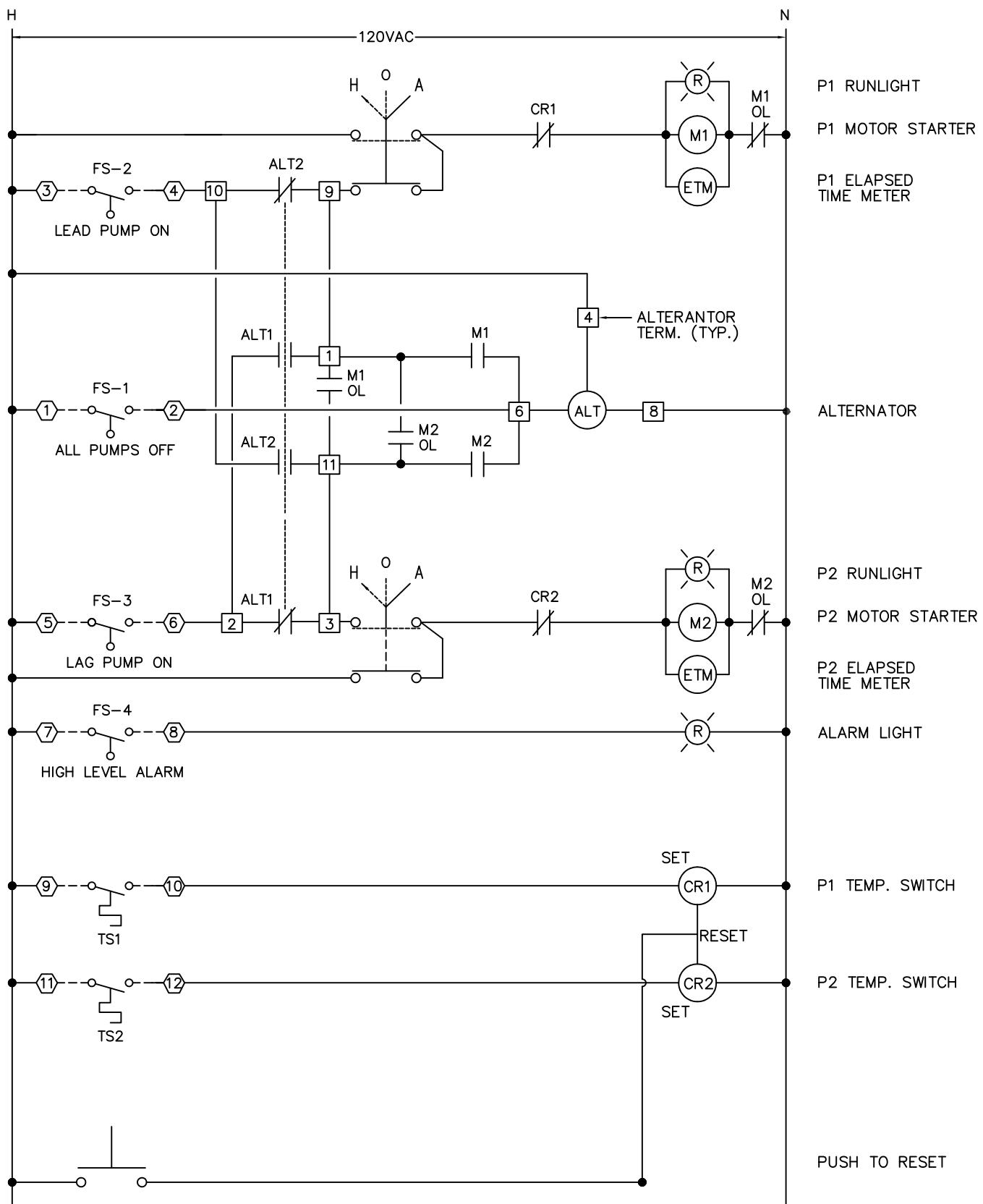
SOLD TO: Delta Process - Shreveport, LA
TAG : Roach Plumbing/Caddo #2

SHIP TO: Delta Process c/o Buda Engine Co.

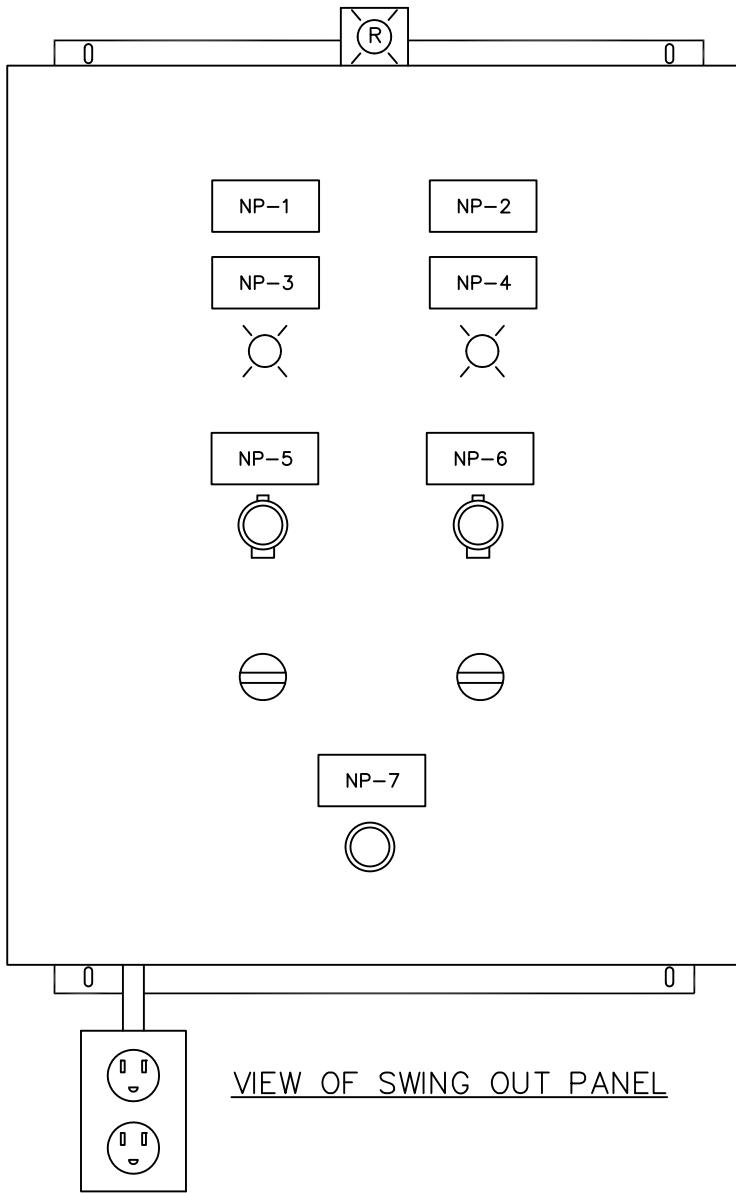
Drawing Title	PANEL DESCRIPTION	R1	CHANGE PUMP SIZES		-	01/07/23	TL
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
5/3/02		C.C.	R.C.	BY M.S.	BY	DATE	
	Project Title						
	DUPLEX PUMP						
	CONTROL PANEL						
		COX					
		Research and Technology, Inc.					
		P.O. Box 77808					
		Baton Rouge, LA					
		70809					
		DRAWING NUMBER					
		CP-1400R1					
		SHEET NUMBER					
		1					



	Drawing Title	CHANGE PUMP SIZES				-	01/07/23	TL
	POWER DIAGRAM							
DATE 5/3/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY M.S.	ECN	DATE APPROVED BY	DATE BY	BY
	Project Title	<u>COX</u> Research and Technology, Inc.				PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL					DRAWING NUMBER		
						CP-1400R1		
						SHEET NUMBER		
						2		



	Drawing Title CONTROL DIAGRAM		CHANGE PUMP SIZES	-	01/07/23	TL
DATE 5/3/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY M.S.	DATE 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)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1400R1 SHEET NUMBER 3	



NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	PUSH TO RESET

NOTE:

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

DATE 5/3/02	Drawing Title ENCLOSURE			CHANGE PUMP SIZES		-	01/07/23	TL
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY M.S.	ECN	DATE BY	
	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)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1400R1 SHEET NUMBER 4		

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	1	ABB	A16-30-10-84	MOTOR STARTER
4	1	ABB	TA25DU11	O.L. RELAY (7.5-11A)
5	1	SQUARE D	QUO320	CB1
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PIOLT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	SQUARE D	QUO120	CB3
10	1	C-H	CHSA03	LIGHTNING ARRESTER
11	1	AC/DC	BL5-R-120	ALARM LIGHT
12	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
13	2	P&B	KUL-11A15S-120	CR1,2
14	1	ABB	AF26N1-30-00-13	MOTOR STARTER 2
15	1	ABB	TF42-24	OVERLOAD 2 (20-24A)
16	1	SQUARE D	QUO340	CB2
17	1	ABB	CA4-10	AUX CONTACT
18				
19				
20				
21				
22				
23				
24				
25				

Drawing Title BILL OF MATERIALS			CHANGE PUMP SIZES		-	01/07/23	TL
DATE 5/3/02	REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
	C.C.	R.C.	BY M.S.	BY	BY	DATE	
Project Title DUPLEX PUMP CONTROL PANEL					PURCHASE ORDER NUMBER		
					DRAWING NUMBER		
					CP-1400R1		
				SHEET NUMBER			
				5			