
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
CARRIAGE OAKS #1
LIFT STATION

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

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	10	
FLA	26	
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		
THERM. & SEAL FAIL WIRING FIGURE		

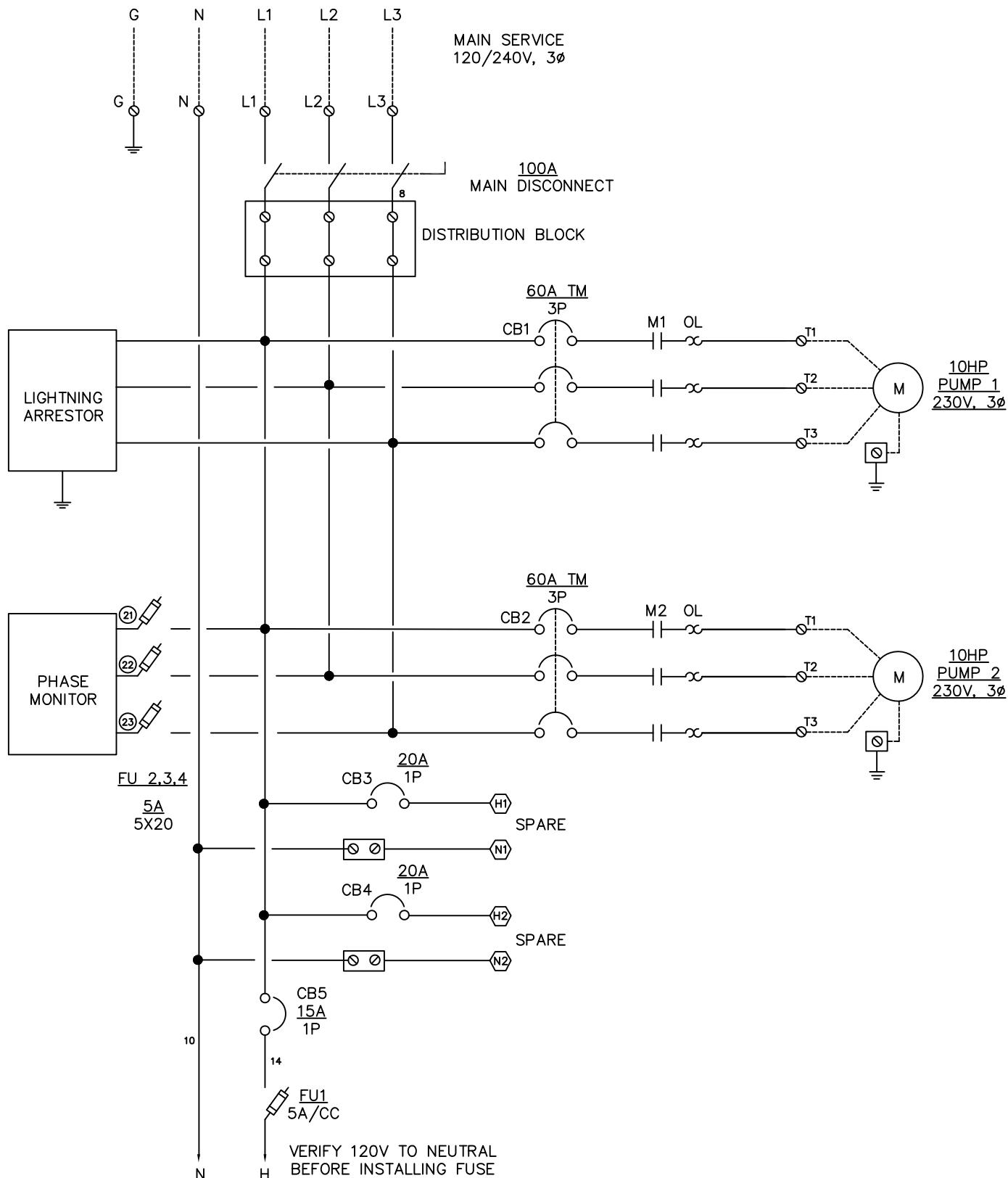
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(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	X	
NEMA RATED STARTERS	X Cutler Hammer	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		
SWING INTERNAL DOOR	X	

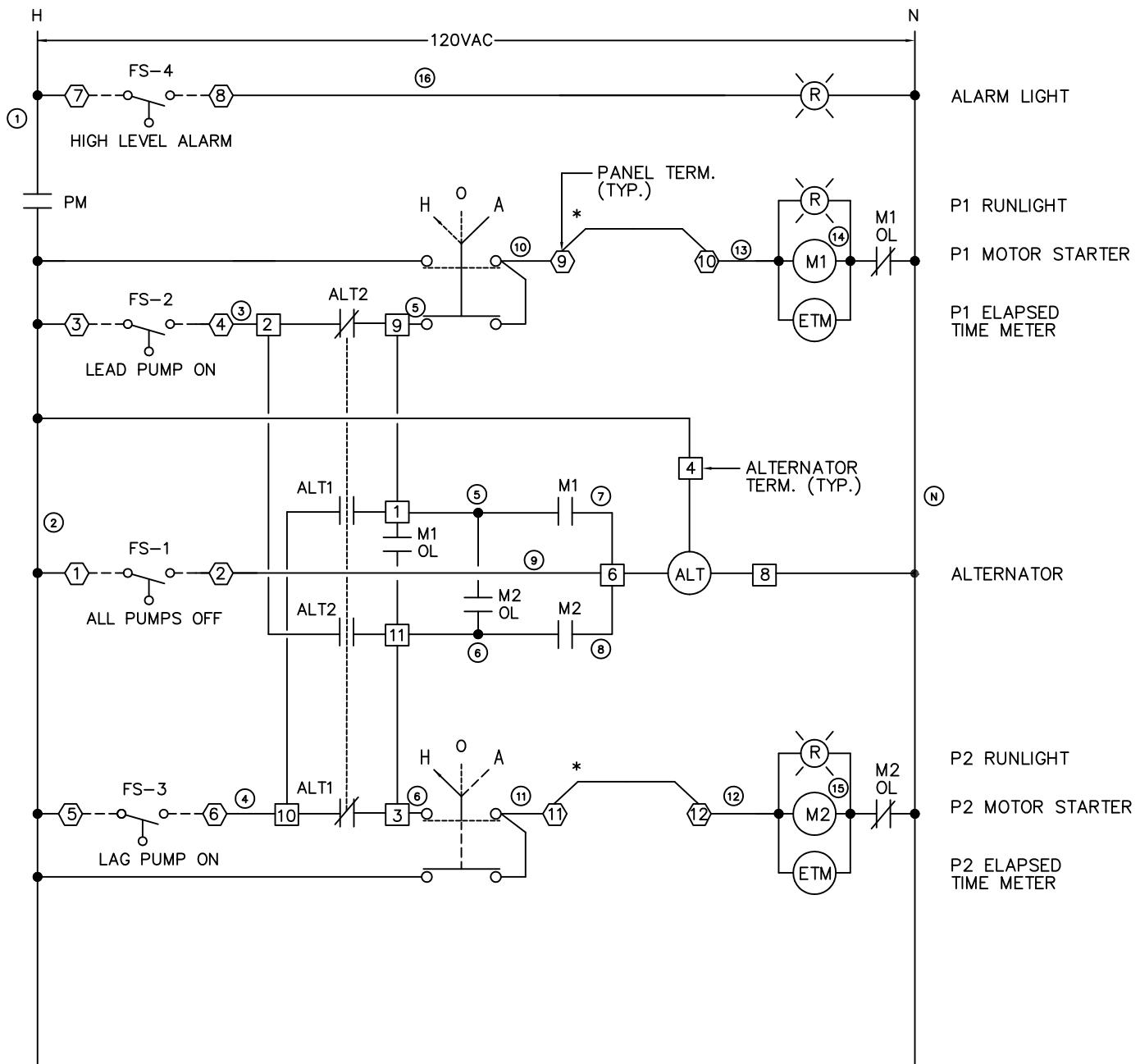
SOLD TO: Delta Process - Bossier City, LA
TAG : CARRIAGE OAKS #1

SHIP TO: Delta Process - Ruston, LA

Drawing Title	PANEL DESCRIPTION			REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
Project Title	DUPLEX PUMP CONTROL PANEL	<u>COX</u> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809					PURCHASE ORDER NUMBER
			Ph. (225)756-3271 Fax (225)756-1030					DRAWING NUMBER CP-1554
								SHEET NUMBER 1

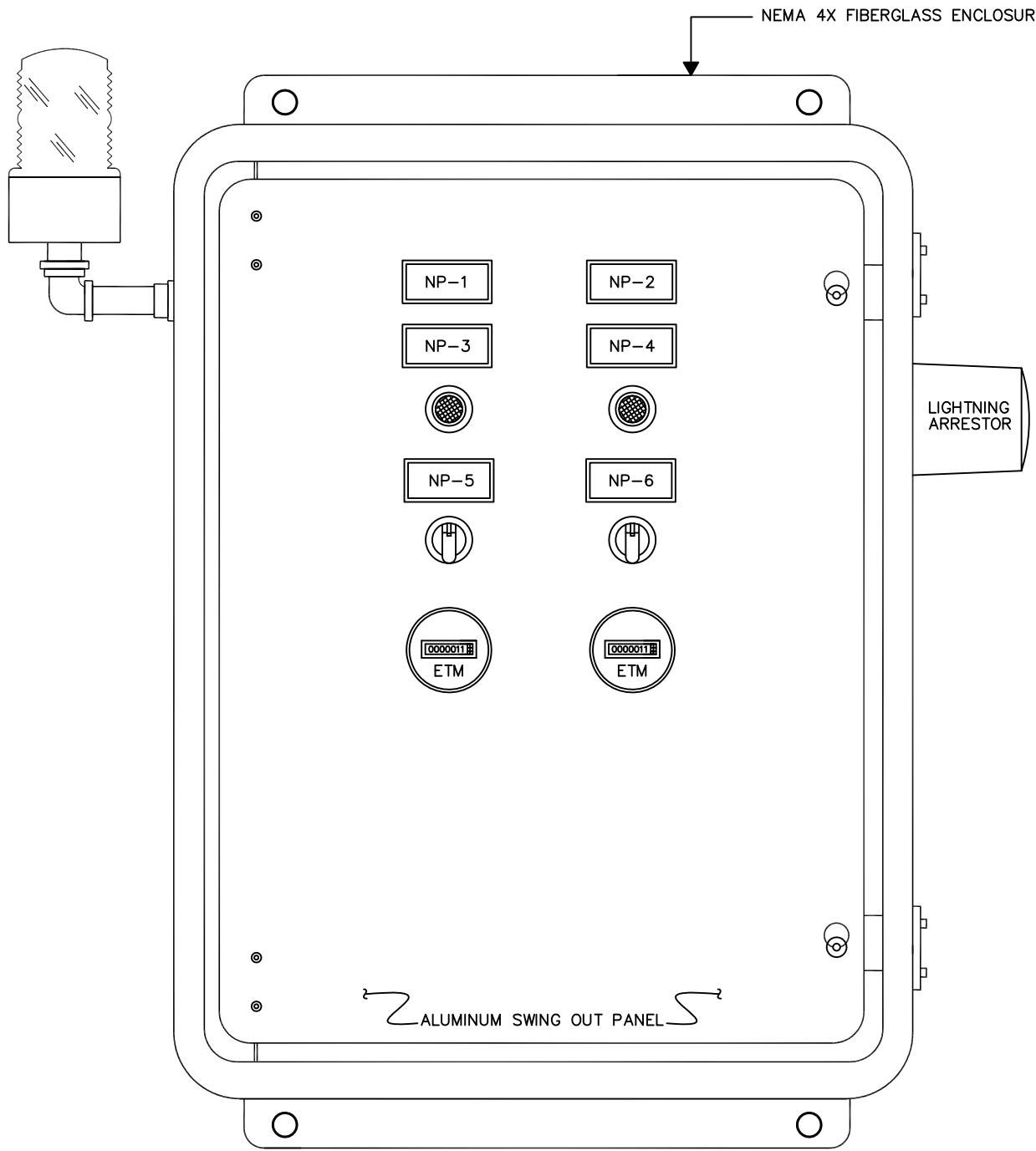


	Drawing Title							
	POWER DIAGRAM							
DATE 4/23/03	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY DATE		
	Project Title		<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER CP-1554		SHEET NUMBER	
							2	



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE
DATE 4/23/03		Application Engineer R.C.			
	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-1554 SHEET NUMBER 3



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP	1
NP-2	PUMP	2
NP-3	RUN	
NP-4	RUN	
NP-5	H-O-A	
NP-6	H-O-A	

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

DATE 4/23/03	Drawing Title ENCLOSURE							
REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY	
S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED			
			BY C. RACHAL		BY	DATE		
Project Title		<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
DUPLEX PUMP CONTROL PANEL								
							DRAWING NUMBER CP-1554	
							SHEET NUMBER 4	

BILL OF MATERIALS

	Drawing Title BILL OF MATERIALS DATE 4/23/03					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED		
			BY C. RACHAL	BY	DATE	
Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER	CP-1554	
				SHEET NUMBER		5