
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL ALMON

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	2	
FLA	9.0	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	SGVF2032L	
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		

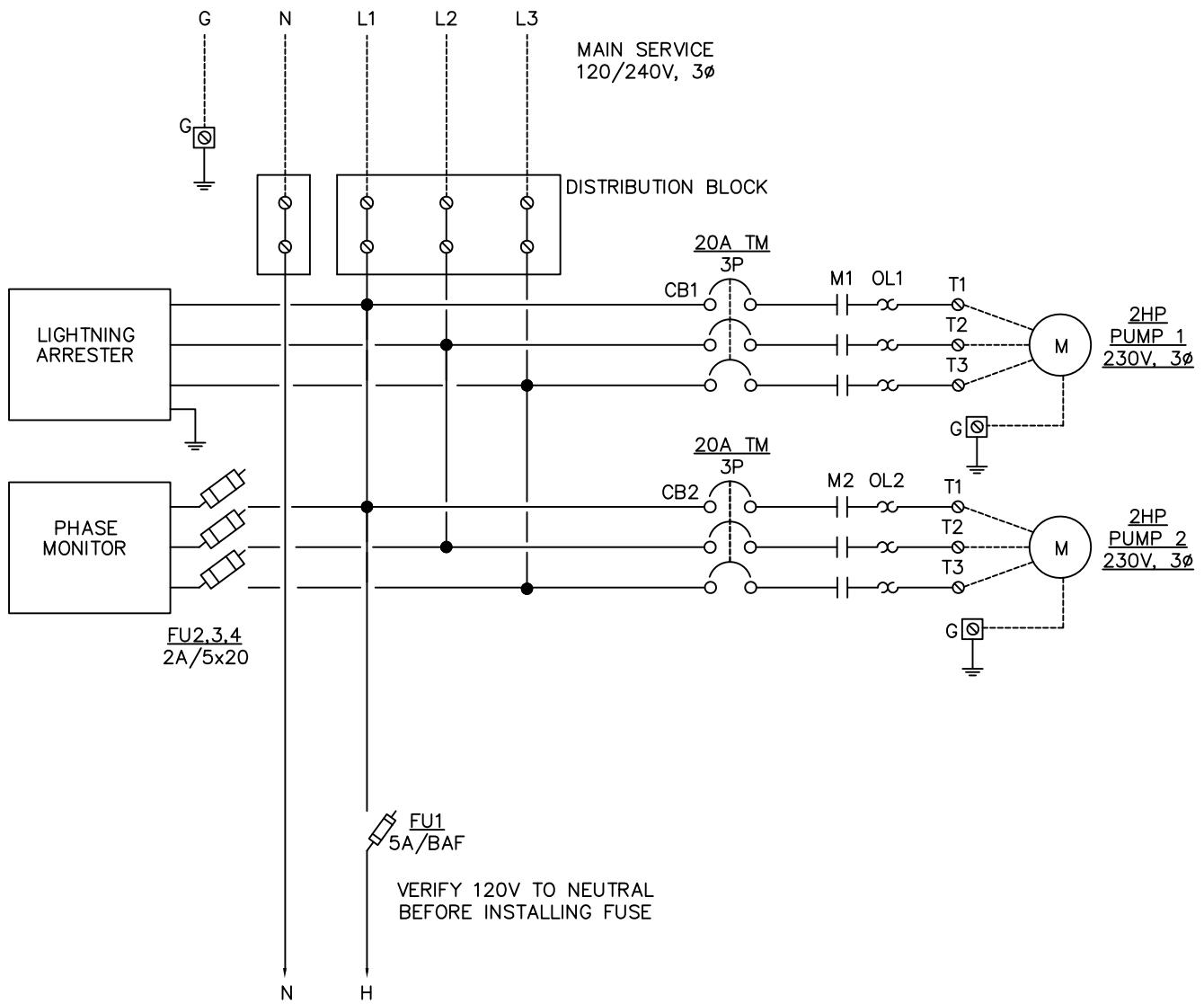
OPTIONS:

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	X	
NEMA RATED STARTERS	X ABB	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION	X	

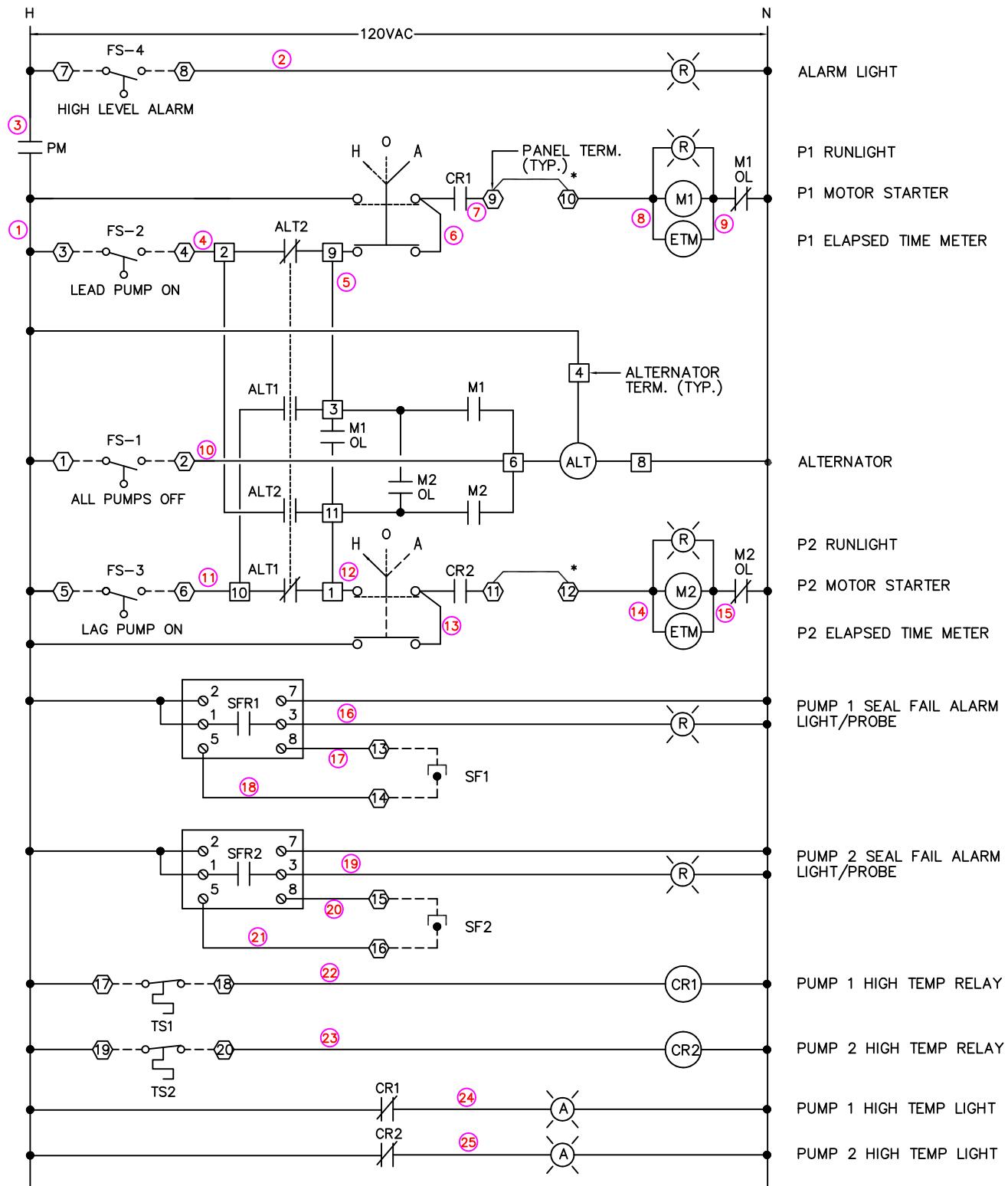
SOLD TO: Delta Process - Tuscaloosa, AL
TAG : Almon

SHIP TO: Delta Process - Ruston, LA

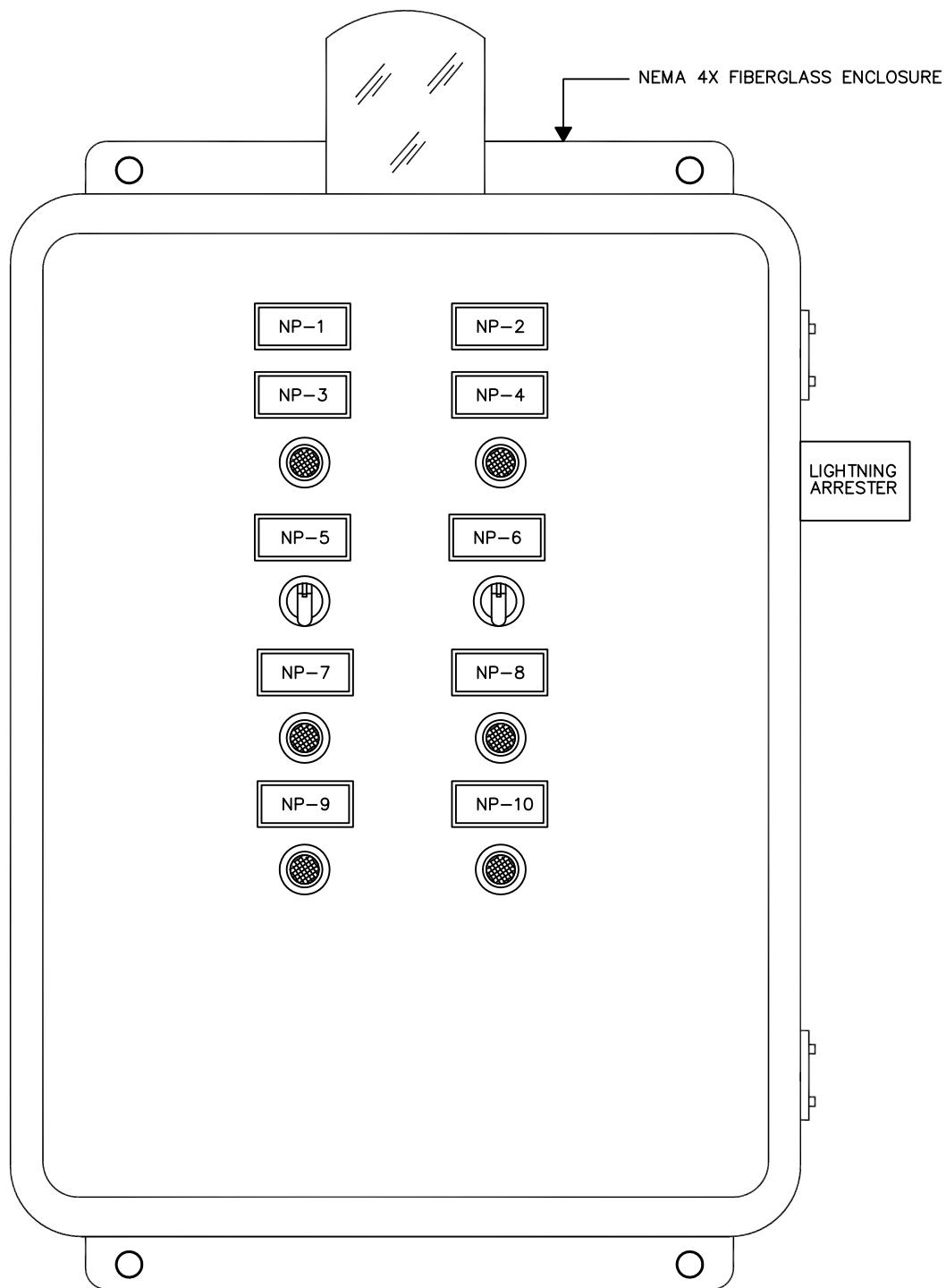
	Drawing Title PANEL DESCRIPTION					
DATE 10/11/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN R.C. BY C. RACHAL	ECN	DATE	BY
	Project Title DUPLEX PUMP CONTROL PANEL	<u>COX</u> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2169 SHEET NUMBER 1		



	Drawing Title POWER DIAGRAM				
DATE 10/11/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	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)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2169 SHEET NUMBER 2		



	Drawing Title							
	CONTROL DIAGRAM							
DATE 10/11/05	REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY	
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL				
	Project Title		COX Research and Technology, Inc.		PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER		CP-2169	
			SHEET NUMBER		3			



VIEW OF FRONT DOOR

NAMEPLATE SCHEDULE

NP-1	PUMP	1
NP-2	PUMP	2
NP-3	RUN	
NP-4	RUN	
NP-5	HOA	
NP-6	HOA	
NP-7	SEAL	FAIL
NP-8	SEAL	FAIL
NP-9	HIGH	TEMP
NP-10	HIGH	TEMP

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

	Drawing Title ENCLOSURE						
DATE 10/11/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN BY	DATE APPROVED BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL		<hr/> <hr/> COX <hr/> <hr/> 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-2169	SHEET NUMBER 4

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPL	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	2	ACI	JR22FY	AMBER PILOT LIGHT
3	2	ABB	A16NO-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU10	O.L. RELAY (7.5-10A)
5	2	SQUARE D	QOU320	CB1, CB2
6	1	DIVERSIFIED	ARB-120-ADE	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	INGRAM	MX-15	ALARM LIGHT
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	1	MARATHON	1321580	NEUTRAL BLOCK
12	1	SSAC	PLMU11	PHASE MONITOR
13	1	DELTA	LA603	LIGHTNING ARRESTER
14	2	REDINGTON	711-0187	ETM
15	2	SSAC	LLC54AA	SEAL FAIL RELAY
16	2	IDECA	RY2S120AC	CR1,2
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title BILL OF MATERIALS					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
DATE 10/11/05	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-2169 SHEET NUMBER	5