
COX

Research and Technology, Inc.

BROUSSARD WALMART
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-2059

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	2	
FLA	15	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	SGVF2022L	
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		

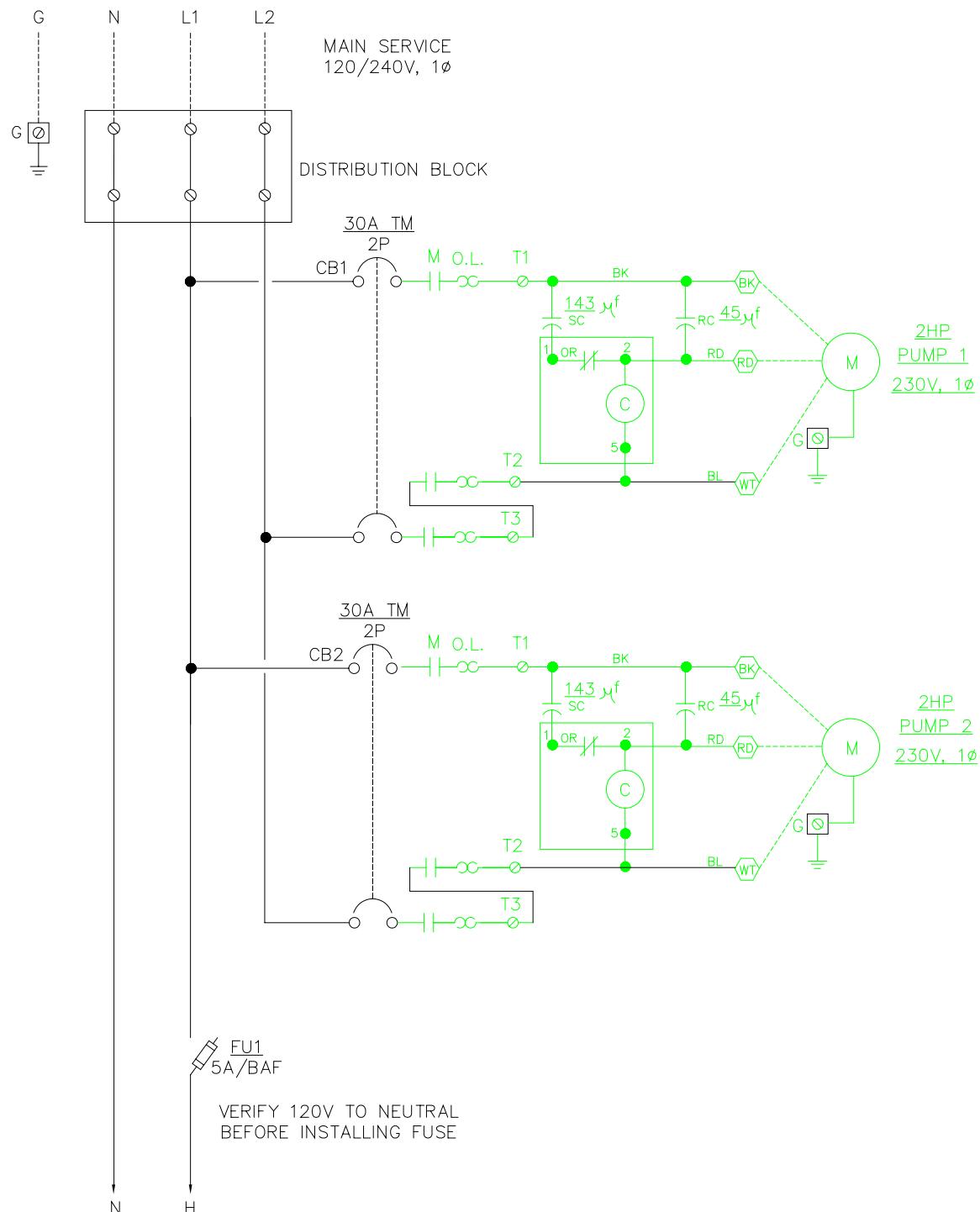
OPTIONS:

SEAL FAIL LIGHTS	_____	(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	_____	
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	X	

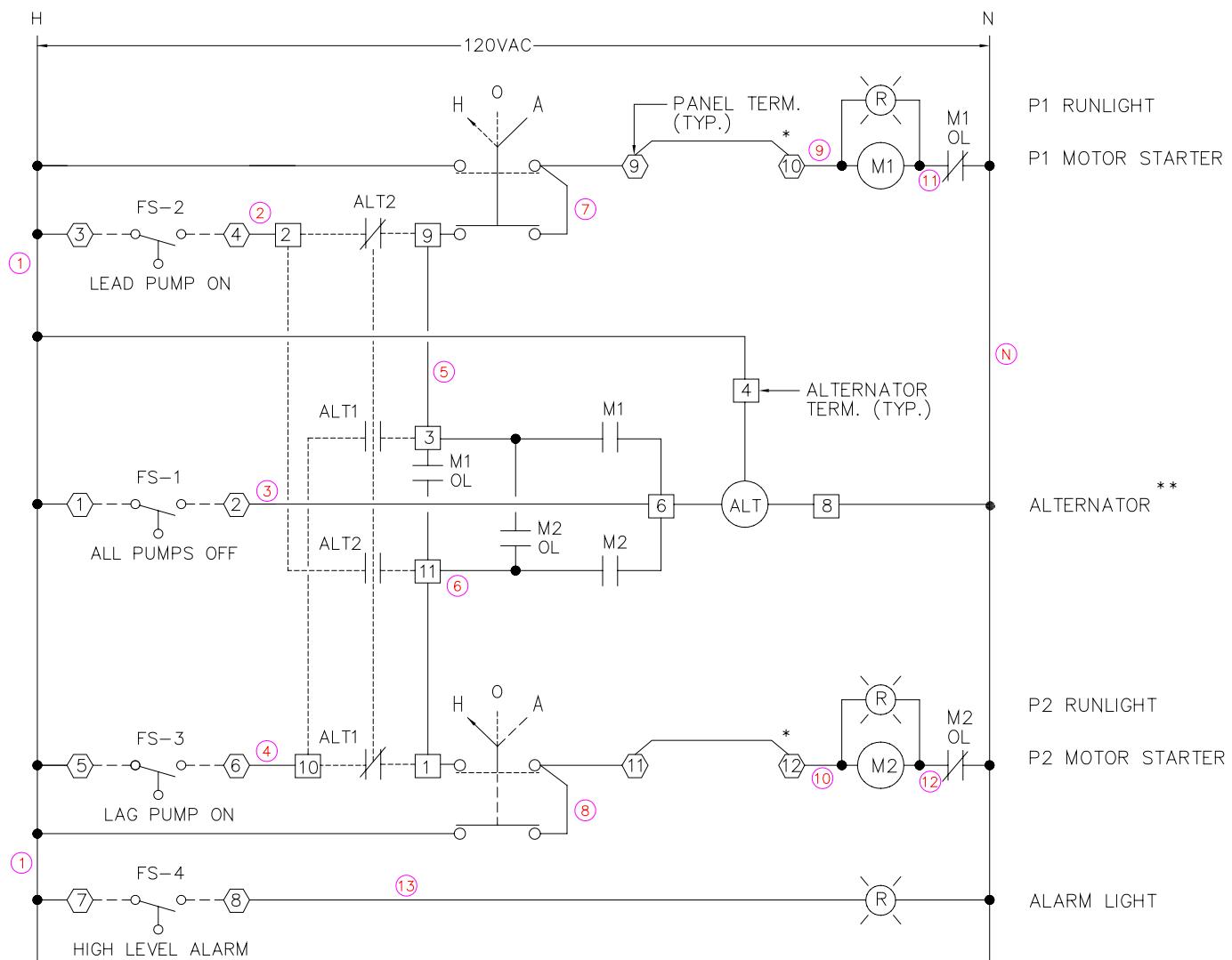
SOLD TO: Delta Process - Denham Springs, LA
TAG : Broussard Walmart

SHIP TO: Delta Process - Denham Springs, LA

DATE 5/13/05	Drawing Title PANEL DESCRIPTION								
		REFERENCE DRAWING S/N	DRAWING Sales Engineer	NO. Application Engineer	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY	APPROVED
	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 SHEET NUMBER	CP-2059	1	



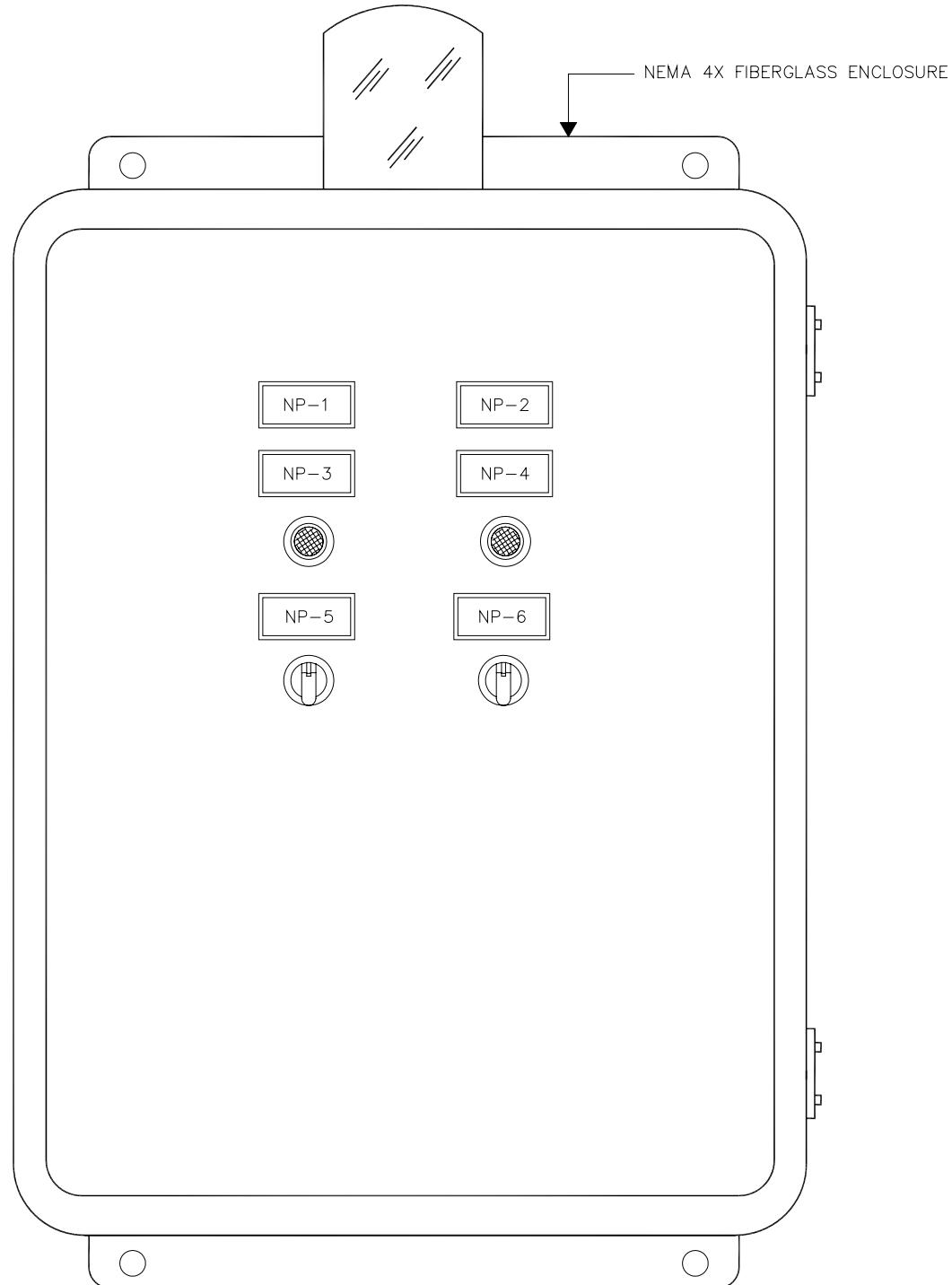
	Drawing Title POWER DIAGRAM				
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN DATE BY
DATE 5/13/05		S/N Sales Engineer	Application Engineer	DRAWN BY C. RACHAL	APPROVED BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2059 SHEET NUMBER 2



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

** DIVERSIFIED ALTERNATOR

	Drawing Title						
	CONTROL DIAGRAM						
DATE 5/13/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE		
	Project Title			PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL			DRAWING NUMBER CP-2059			
	COX Research and Technology, Inc.			SHEET NUMBER 3			



VIEW OF FRONT OF PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

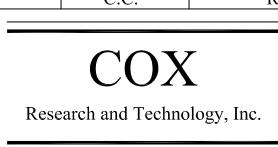
NOTE:

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

	Drawing Title						
	ENCLOSURE						
DATE 5/13/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
		C.C.	R.C.	BY C. RACHAL	BY	DATE	
	Project Title	<hr/> COX <hr/> Research and Technology, Inc. <hr/>			PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER		
					CP-2059		
					SHEET NUMBER		
					4		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU19	O.L. RELAY (13-19A)
5	2	SQUARE D	QOU230	CB1, CB2
6	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	AC/DC	BL5-R120	ALARM LIGHT
10	2	CGE	4CU54	START CAPACITOR <i>143μf</i>
11	2	CGE	5X434	RUN CAPACITOR <i>45μf</i>
12	2	GE	6X559	START RELAY
13				
14				
15				
16				
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21				
22				
23				
24				
25				

	Drawing Title BILL OF MATERIALS						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 5/13/05		S/N	Sales Engineer	Application Engineer	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title DUPLEX PUMP CONTROL PANEL	 COX Research and Technology, Inc. <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2059	
						SHEET NUMBER 5	