
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
WEST OUACHITA HIGH SCHOOL

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

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	4.0	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	SGVF(H)2042L	
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		

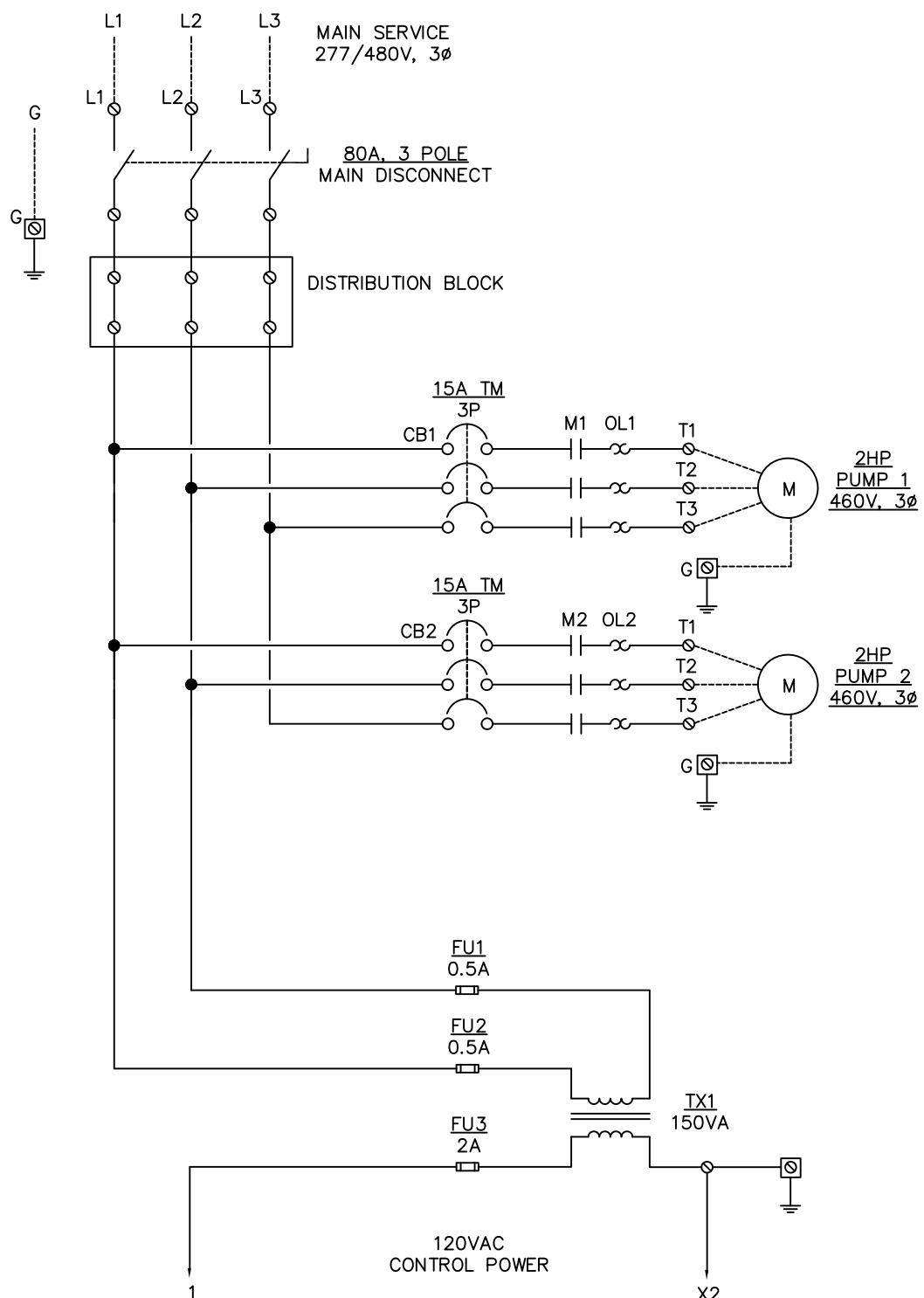
OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS		(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		
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		

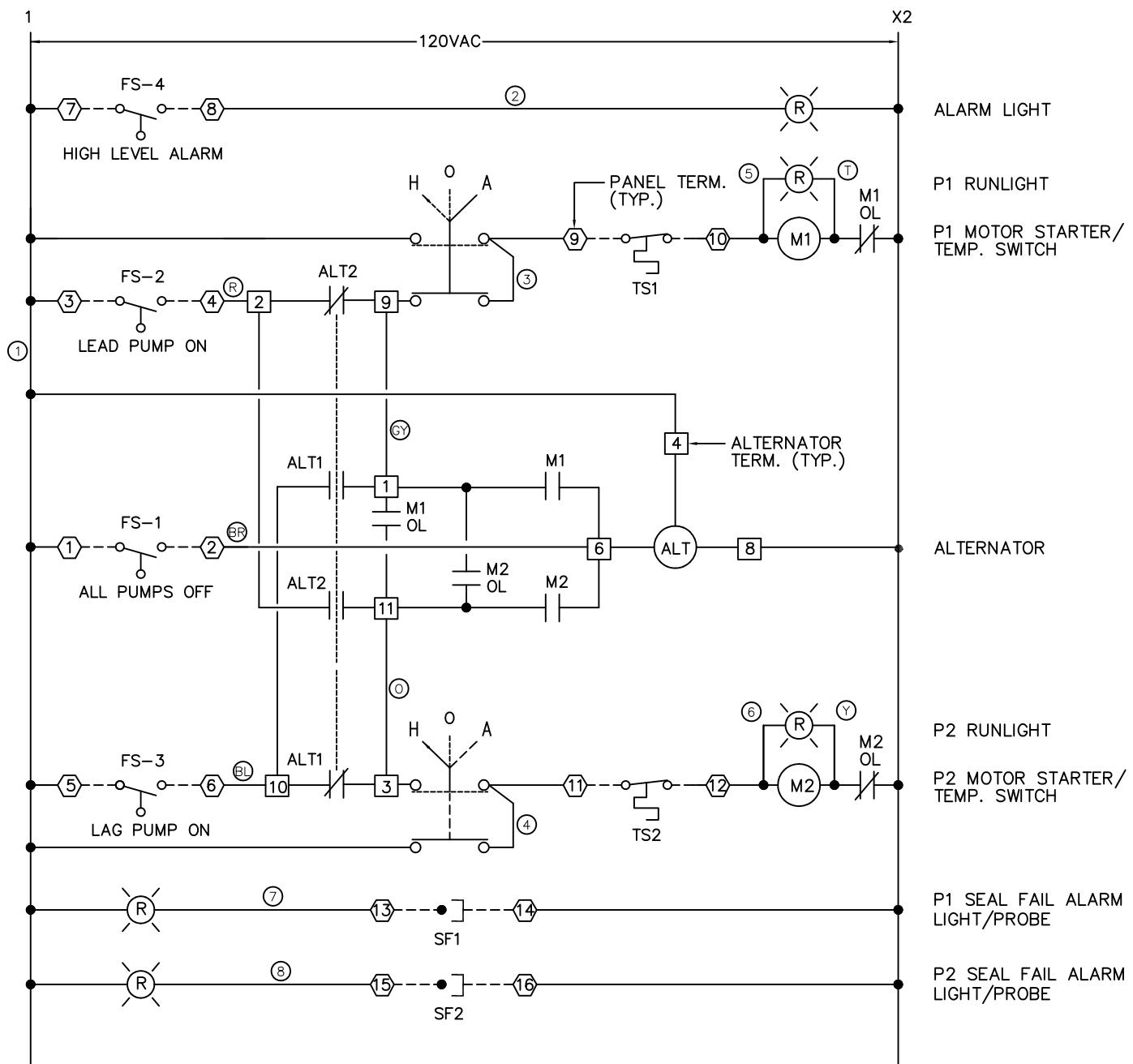
SOLD TO: Delta Process - Ruston, LA
TAG : WEST OUACHITA HIGH SCHOOL

SHIP TO: Delta Process - Ruston, LA

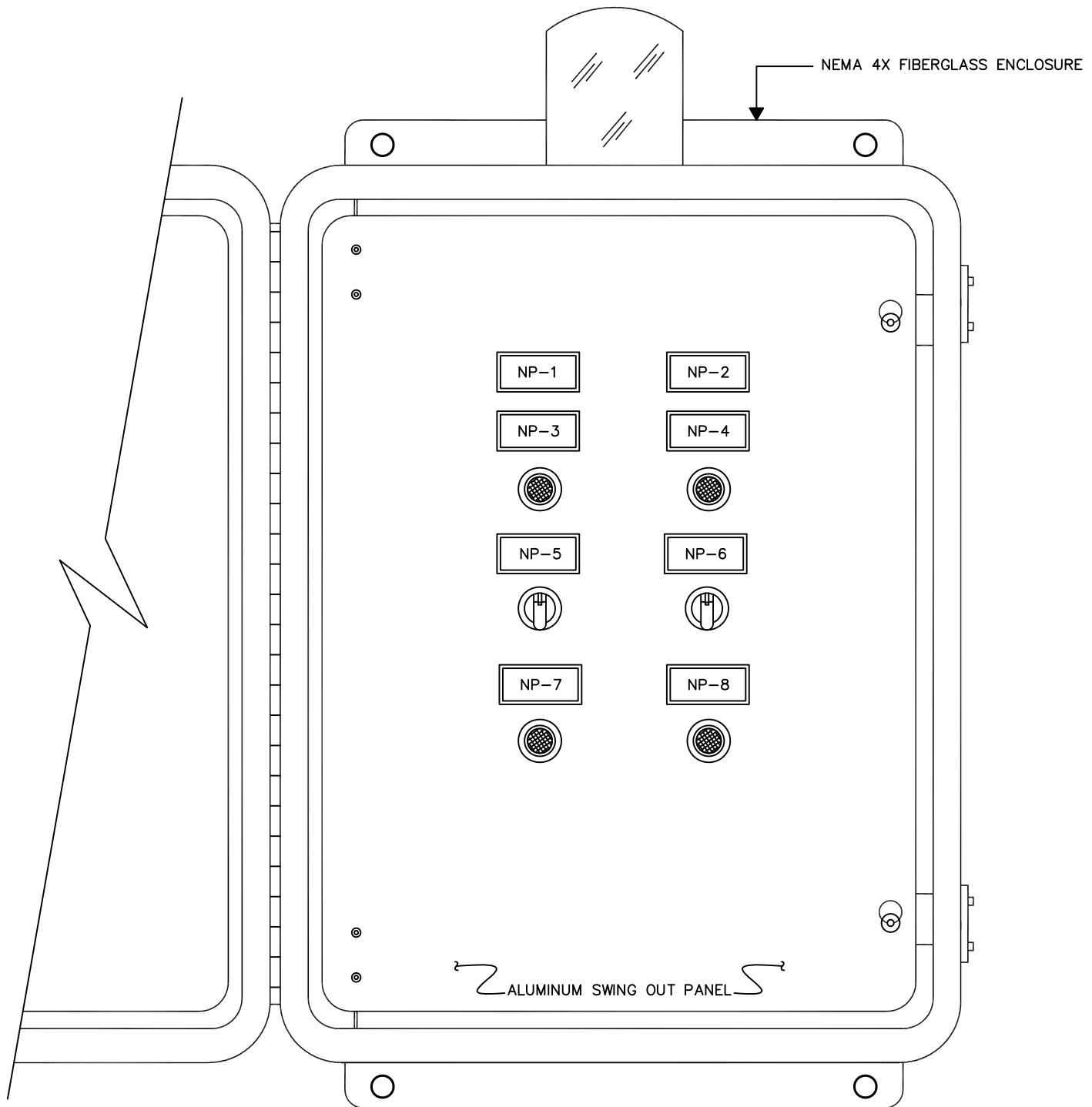
Drawing Title	PANEL DESCRIPTION			REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
							DATE 12/20/05	APPROVED BY DATE	
Project Title	DUPLEX PUMP CONTROL PANEL	<u>COX</u> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809				PURCHASE ORDER NUMBER		
			Ph. (225)756-3271 Fax (225)755-1030				DRAWING NUMBER	CP-2242	
							SHEET NUMBER		1



	Drawing Title POWER DIAGRAM				
DATE 12/20/05	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	PURCHASE ORDER NUMBER		
		Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2242		
			SHEET NUMBER 2		



	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE
DATE 12/20/05		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)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2242 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	HOA
NP-6	HOA
NP-7	SEAL FAIL
NP-8	SEAL FAIL

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					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 12/20/05	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
	C.C.		R.C.	BY C. RACHAL	BY DATE	
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/>			PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			DRAWING NUMBER CP-2242	
					SHEET NUMBER 4	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	2	ABB	A16-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU5.0	O.L. RELAY (3.5-5.0A)
4	2	ABB	T1N015TL	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	4	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	ABB	T4150PSF1	TRANSFORMER
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	1	ABB	OT63E3	MAIN DISCONNECT
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25				

	Drawing Title BILL OF MATERIALS					
		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
DATE 12/20/05	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-2242 SHEET NUMBER 5	