
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL LOYOLA

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	1/60	
NO. MOTORS	2	
HP	2	
FLA	12	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Myers	
CATALOG NUMBER	WG 20-21	
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	M	
THERM. & SEAL FAIL WIRING FIGURE	1, 6, 8	

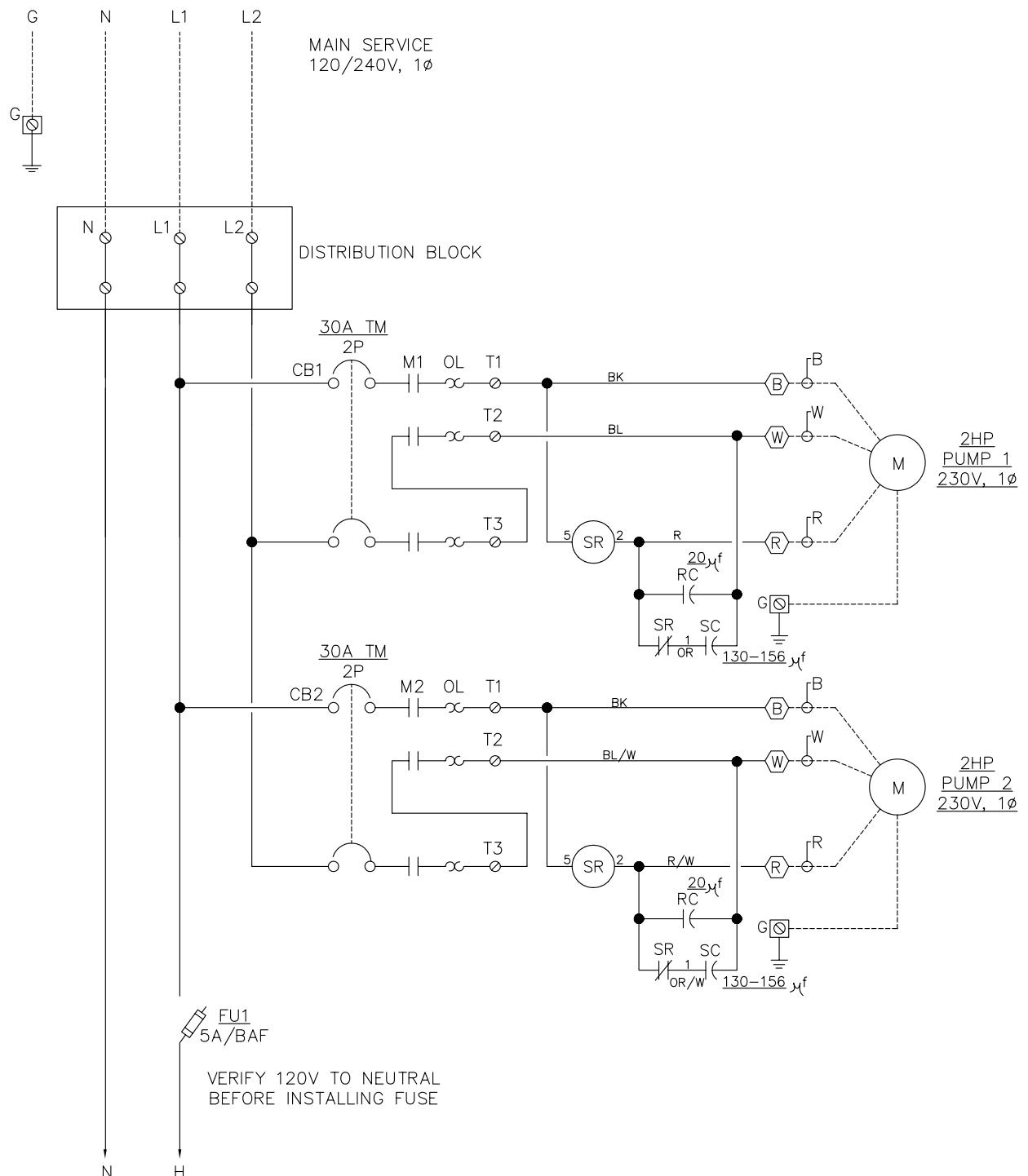
OPTIONS:

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 ARRESTOR		
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	

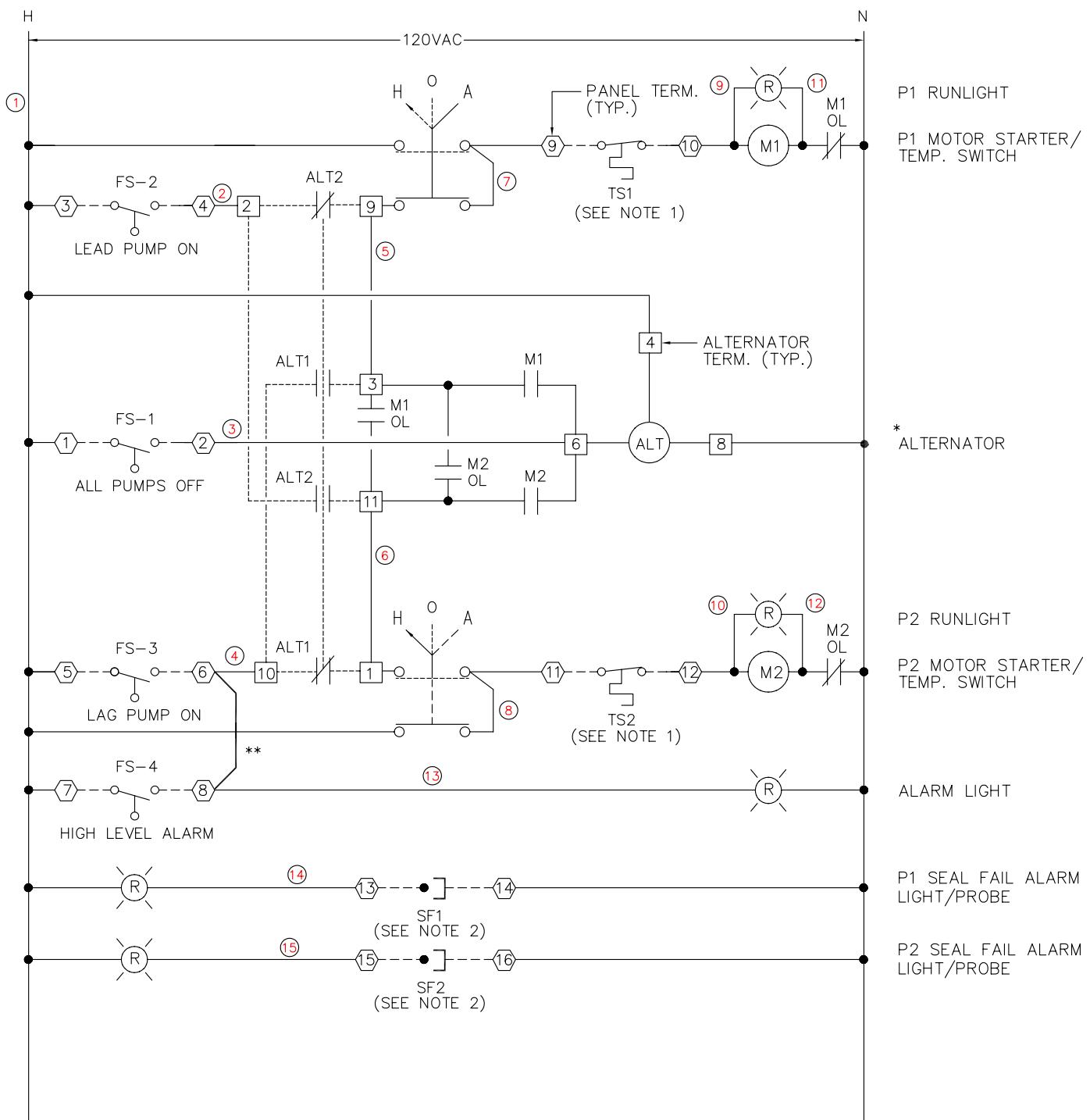
SOLD TO: Delta Environmental - Denham Springs, LA
TAG : LOYOLA

SHIP TO: Delta Environmental - Denham Springs, LA

Drawing Title	PANEL DESCRIPTION						ECN	DATE	BY
	REFERENCE DRAWING		NO.	REVISION-LOCATION					
DATE 1/12/06	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	BY	DATE	BY	DATE
Project Title	<u>COX</u> Research and Technology, Inc.						PURCHASE ORDER NUMBER		
DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER		
							CP-2258		
							SHEET NUMBER		
							1		



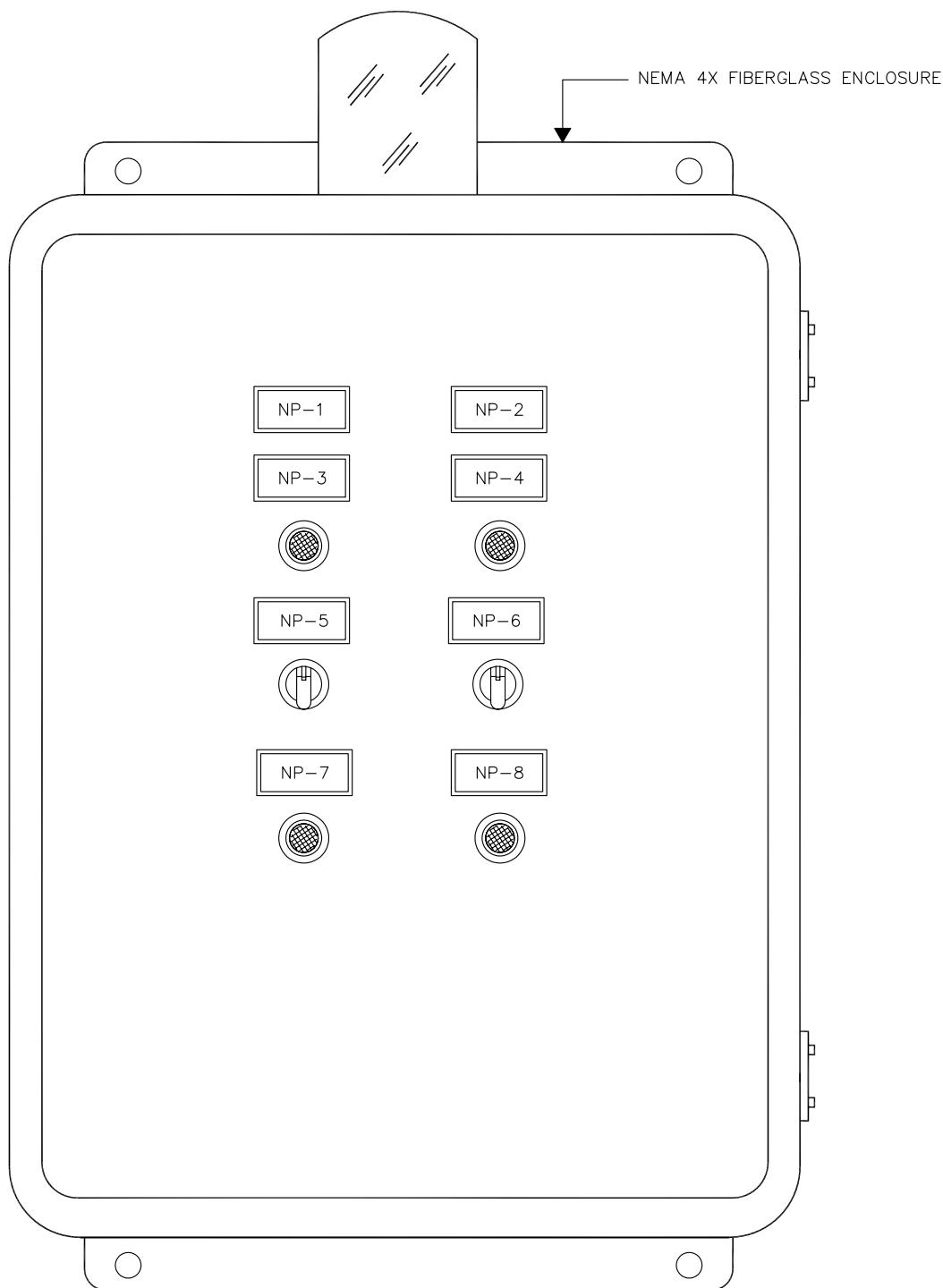
	Drawing Title					
	POWER DIAGRAM					
DATE 1/12/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
			DRAWN BY C. RACHAL	APPROVED BY	DATE BY	
Project Title	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2258	
					SHEET NUMBER 2	



* DIVERSIFIED ALTERNATOR

** FOR 3 FLOAT SETUP, LAG FLOAT WILL ACT AS HIGH LEVEL ALSO.
IF 4 FLOATS ARE REQUIRED, REMOVE JUMPER AND USE SEPARATE FLOATS.

Drawing Title	CONTROL DIAGRAM						1/27/06	RC
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 1/12/06	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE	BY	BY
Project Title	COX Research and Technology, Inc.						PURCHASE ORDER NUMBER	
DUPLEX PUMP CONTROL PANEL							DRAWING NUMBER	
							CP-2258	
							SHEET NUMBER	
							3	



VIEW OF FRONT OF ENCLOSURE

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 S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY DATE
DATE 1/12/06	Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2258 SHEET NUMBER 4		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1614HPL	ENCLOSURE
1a	1	STAHLIN	BP1614	BACKPLATE
2	2	ABB	A16-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU14	O.L. RELAY (10-14A)
4	2	SQUARE D	QOU230	CB1, CB2
5	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
6	4	LAVATO	MONOBLOCK	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	INGRAM	MX-15	ALARM LIGHT
9	1	MARATHON	1323580	DISTRIBUTION BLOCK
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11				
12				
13				
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16				
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Drawing Title BILL OF MATERIALS								
DATE 1/12/06	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer	Application Engineer	DRAWN			APPROVED	
Project Title DUPLEX PUMP CONTROL PANEL	C.C.		R.C.	BY C. RACHAL		BY	DATE	
						PURCHASE ORDER NUMBER		
						DRAWING NUMBER		
						CP-2258		
						SHEET NUMBER		
						5		