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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL VEOLIA WATER

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

CP-2302r1

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	9	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	SGV2032L	
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		

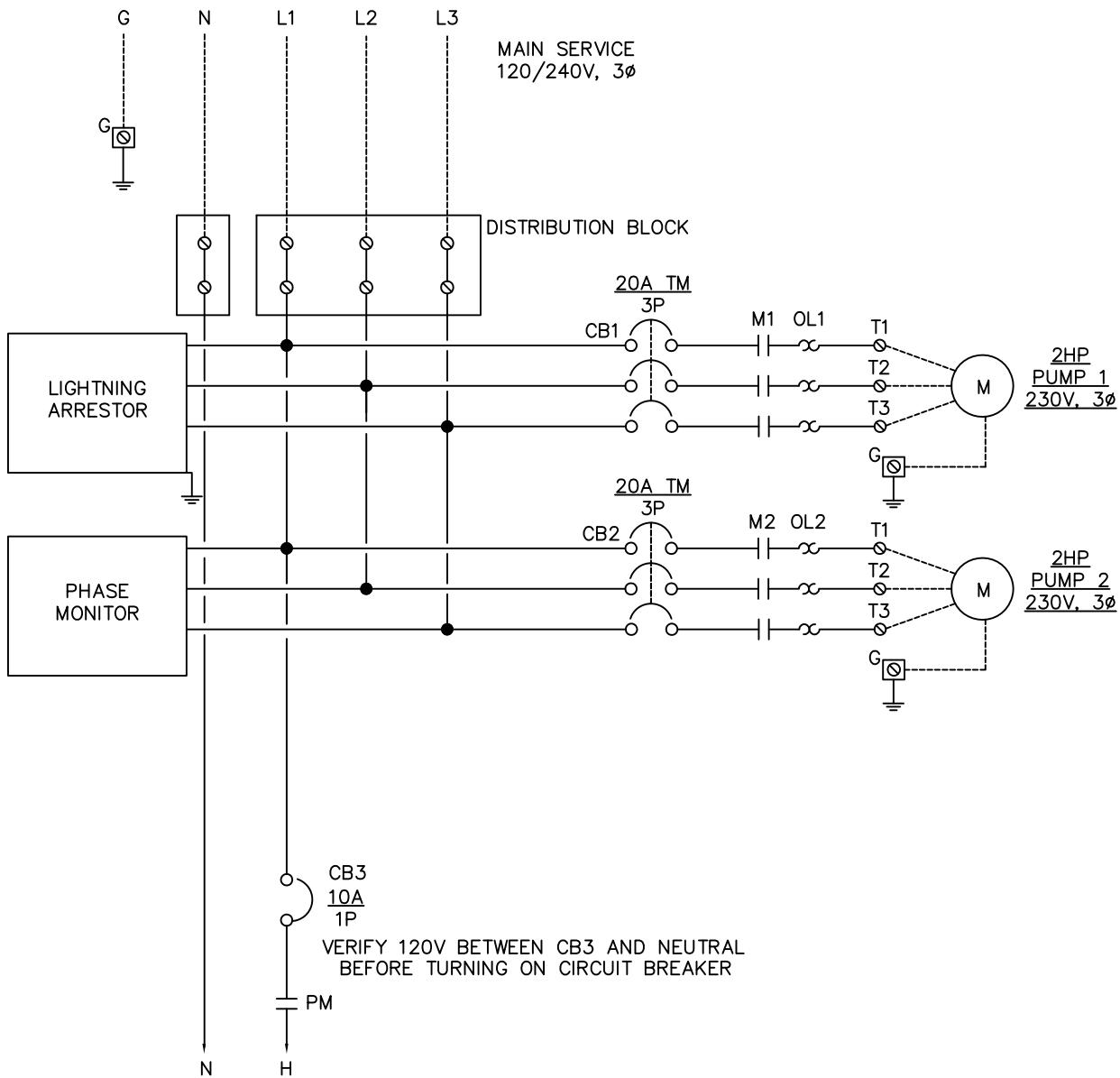
OPTIONS:

SEAL FAIL LIGHTS	_____	(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	X FIELD REVISION	
ELAPSED TIME METER	_____	
PHASE MONITOR	X FIELD REVISION	
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	

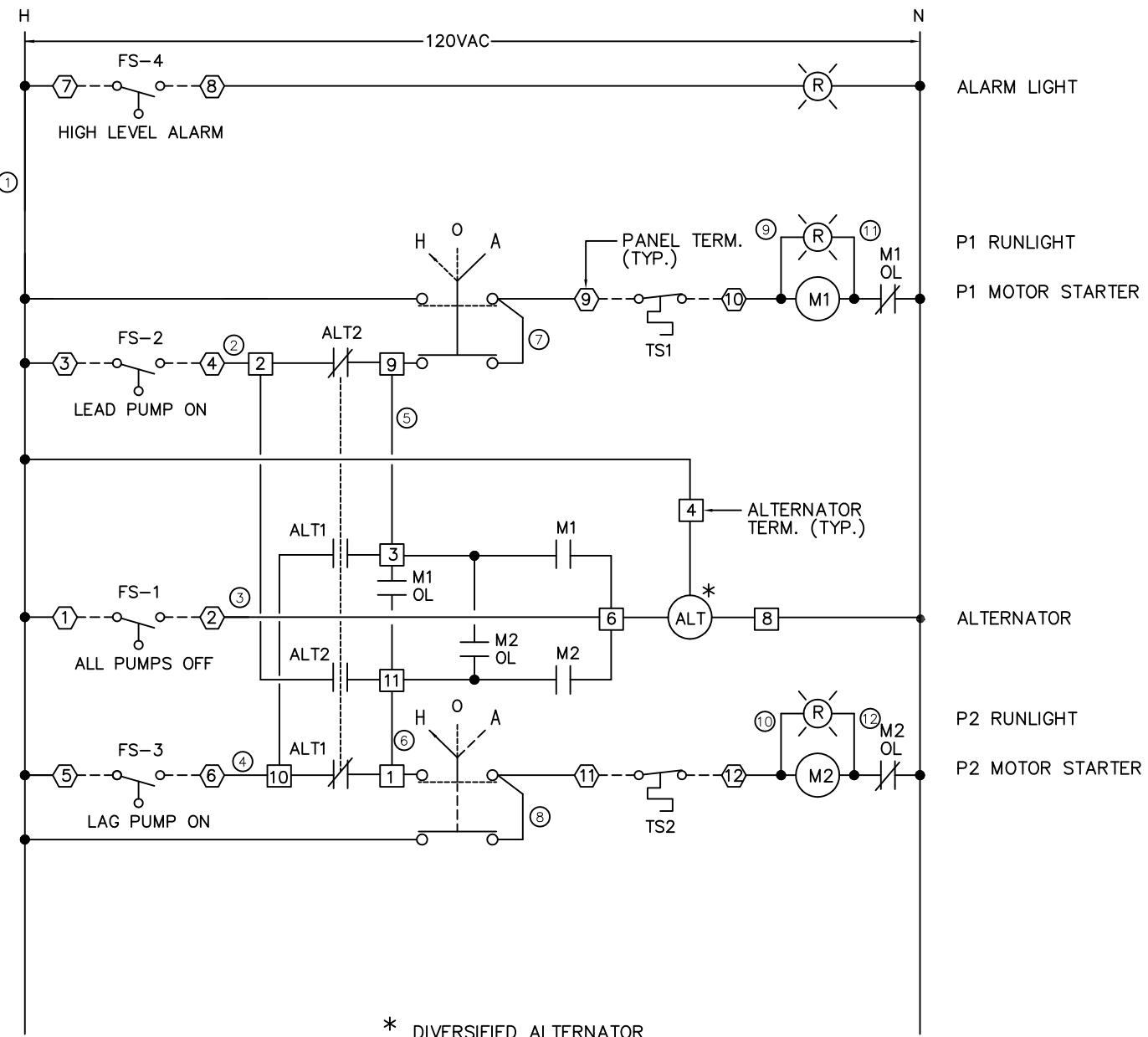
SOLD TO: Delta Process - Ruston, LA  
TAG : VEOLIA WATER

SHIP TO:  
\_\_\_\_\_  
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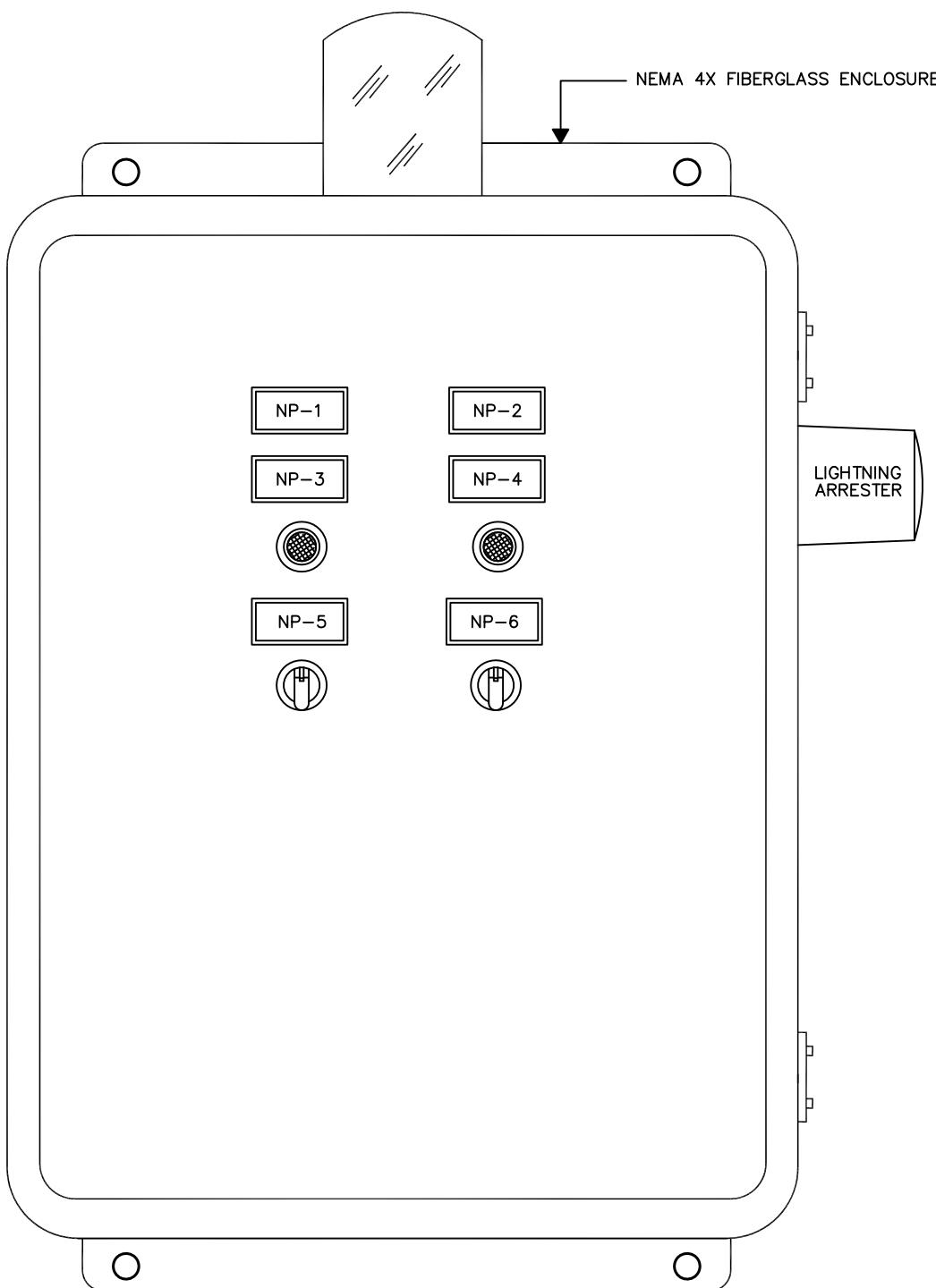
	Drawing Title	R1		ADD PM, LA, IN FIELD		04/07	TL
	PANEL DESCRIPTION						
		REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE
		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	BY
DATE 04/07/08			C.C.	R.C.	BY S.HODGES	BY	DATE
	Project Title	<u> </u>		<u> </u>		PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	<u>COX</u> Research and Technology, Inc. <u> </u>		P.O. Box 77808 Baton Rouge, LA 70879		DRAWING NUMBER CP-2302rl	
				Ph. (225)756-3271 Fax (225)755-1030		SHEET NUMBER 1	



	Drawing Title  <b>POWER DIAGRAM</b>	R1	ADD PM, LA, IN FIELD	04/07	TL
DATE 04/07/08	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY S.HODGES	ECN	DATE APPROVED BY DATE
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70879  Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2302r1  SHEET NUMBER 2	



	Drawing Title		R1	ADD PM, LA, IN FIELD		04/07	TL
	CONTROL DIAGRAM						
DATE 04/07/08	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY S.HODGES	ECN	DATE	BY	
	Project Title <b>DUPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70879 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2302rl 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

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

	Drawing Title			R1	ADD PM, LA, IN FIELD			04/07	TL
	<b>ENCLOSURE</b>								
DATE 04/07/08	REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE	BY		
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED			
		C.C.	R.C.	BY	S.HODGES	BY	DATE		
	Project Title		<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>		P.O. Box 77808 Baton Rouge, LA 70879		PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL						DRAWING NUMBER		
							CP-2302rl		
							SHEET NUMBER		
							4		

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1614HPL	ENCLOSURE
1a	1	STAHLIN	BP1614AL	BACKPLATE
2	2	ABB	A16-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU11	O.L. RELAY (7.5-11A)
4	2	SQUARE D	QOU320	CB1, CB2
5	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
6	2	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	INGRAM	MX-15	ALARM LIGHT
9	1	MARATHON	1323580	DISTRIBUTION BLOCK
10	1	MARATHON	1321580	NEUTRAL BLOCK
11	1	ABB	PLMU11	PHASE MONITOR ▲
12	1	DELTA	LA603	LIGHTNING ARRESTOR ▲
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25				

▲ ADDED IN FIELD 04/07/08

	Drawing Title  <b>BILL OF MATERIALS</b>			R1	ADD PM, LA, IN FIELD			04/07	TL
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 04/07/08		S/N	Sales Engineer	Application Engineer	DRAWN			APPROVED	
			C.C.	R.C.	BY S.HODGES	BY	DATE		
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	COX Research and Technology, Inc.				P.O. Box 77808 Baton Rouge, LA 70879	PURCHASE ORDER NUMBER		
						Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2302rl		
							SHEET NUMBER 5		