
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL RAY ANDING CONSTRUCTION

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

CP-2302

SOLD TO: Delta Process - Ruston, LA	SHIP TO: Delta Process - Ruston, LA
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TAG: Ray Anding Construction	
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SPECIAL NOTES:	
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Panel Type	Duplex
Voltage	120/240V
Phase/HZ	3/60
No. Motors	2
HP	2
FLA	9
Pump Manufacturer	Barnes
Type of Pump	Submersible
Catalog Number	SGV2032L
Capacitors	No
Control Voltage	120V
Control Power Transformer VA =	No
Enclosure NEMA Rating	4X
Enclosure Material	Fiberglass
Enclosure Size	16x14x8
Inner Swing Panel	No
Control Sensor	Floats
UL508A Labeling	No
UL698A Labeling	No

Alarm Light - Panel Door Mount	
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Alarm Light - Panel Top Mount	X
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Alarm Light - Remote	
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Alarm Test Switch	
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Alarm Silence Switch	
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Alarm Acknowledge Switch	
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Alternator with Lead Pump Selector Switch	
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Audible Alarm - Bell	
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Audible Alarm - Horn	
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Audible Alarm - Piezzo	
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Cycle Counters	
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Economy Version	X
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Elapsed Time Meters	
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Flasher	
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Green Run Lights vs. Red	
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Ground Fault Receptacle	
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High Temp Lights	
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High Temp Pump Shutdown - Auto Reset	X
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High Temp Pump Shutdown - Manual Reset	
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Intrinsically Safe Relays Pts	
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Lightning Arrestor	
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Main Disconnect with door Mt. Handle	
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Panel Heater/Termostat W =	
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Phase Monitor	
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Pole, Box, Seal	
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Seal Fail Lights	
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Seal Fail Relay - Fixed	
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Seal Fail Relay - Adjustable	
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Seal Fail Shutdown	
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Starters - IEC	
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Starters - NEMA	X
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Unpowered Alarm Circuits #	
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OTHER:	
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Drawing Title	
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PANEL DESCRIPTION	
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DATE 11/30/06	
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S/N	REFERENCE DRAWING		NO. C.C.	REVISION-LOCATION		ECN DRAWN BY CJC	DATE APPROVED BY
	Sales Engineer	Application Engineer R.C.		DRAWN BY	APPROVED BY		

Project Title	
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DUPLEX PUMP CONTROL PANEL	
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COX

Research and Technology, Inc.

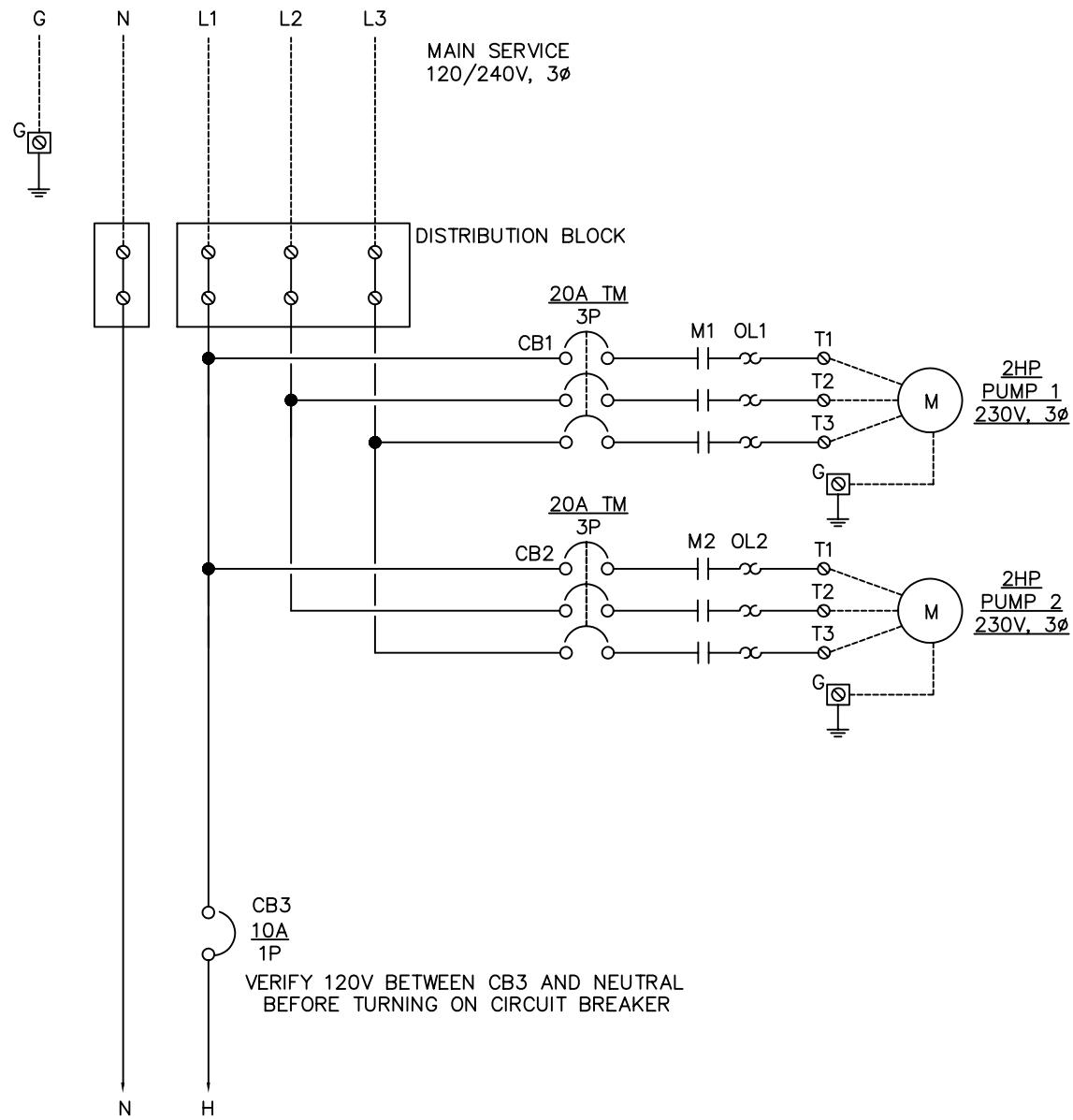
P.O. Box 77808 Baton Rouge, LA 70809
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Ph. (225)756-3271 Fax (225)755-1030
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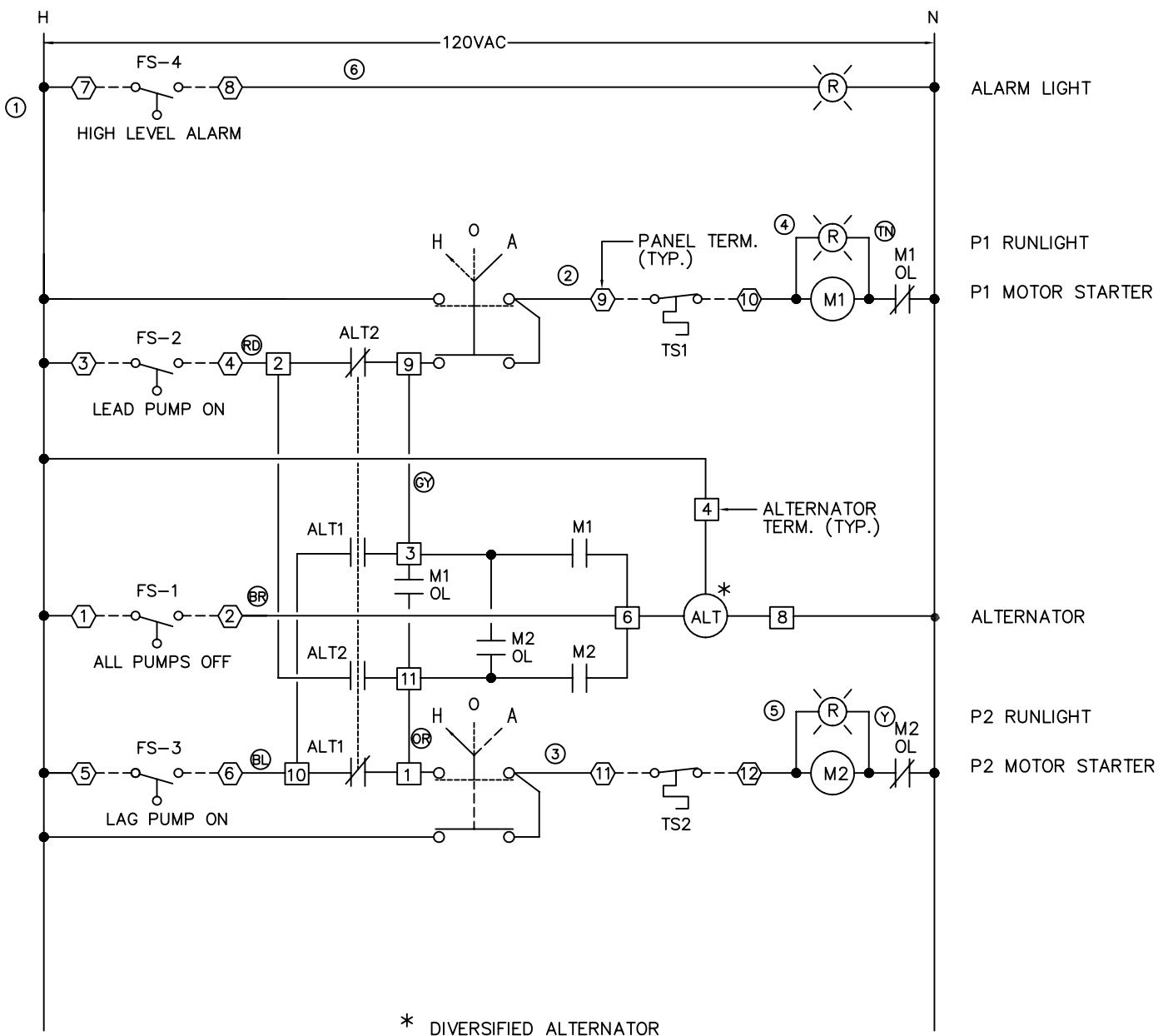
PURCHASE ORDER NUMBER

DRAWING NUMBER CP-2302

SHEET NUMBER 1

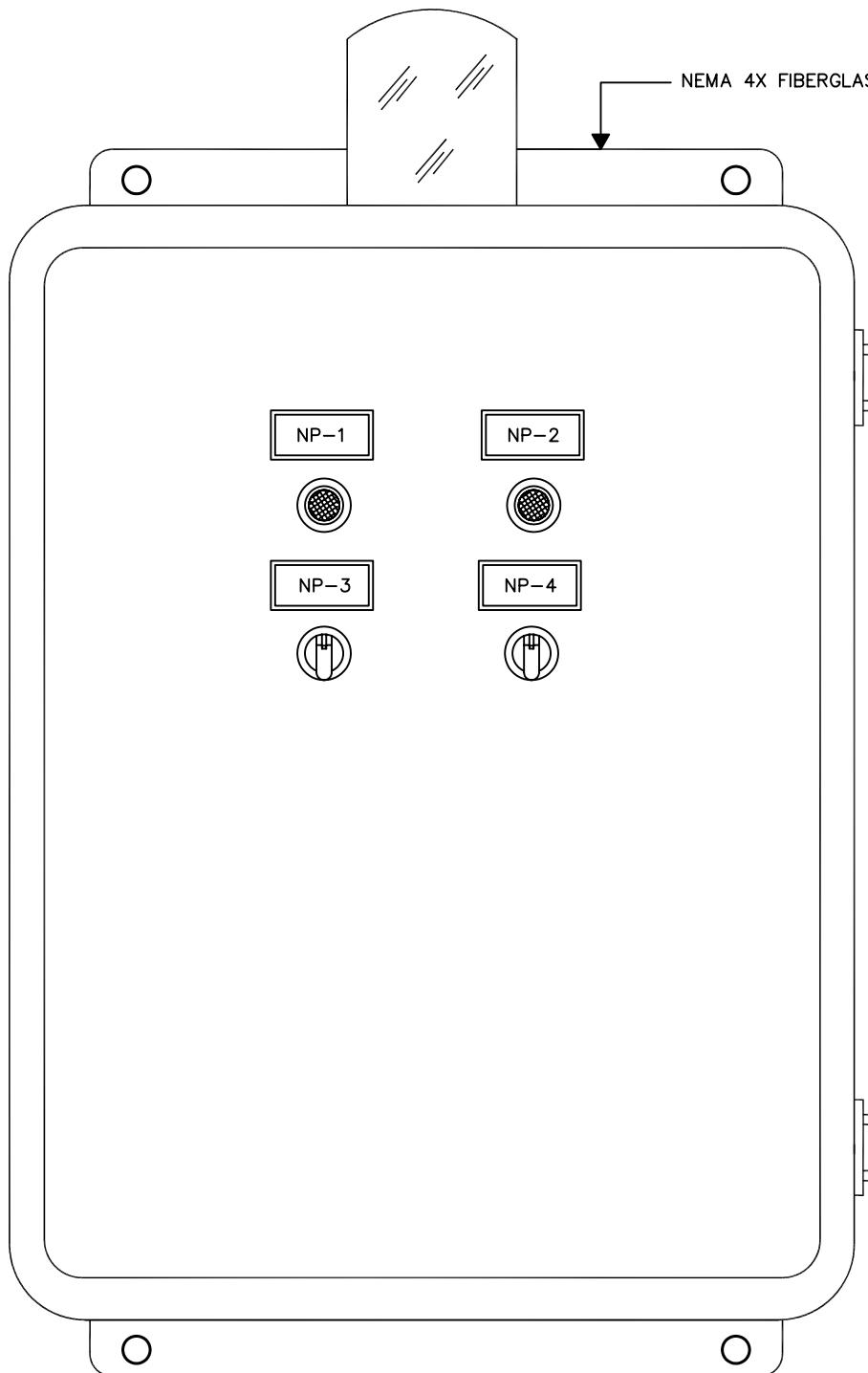


	Drawing Title					
	POWER DIAGRAM					
DATE 11/30/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CJC	DATE APPROVED BY	BY
Project Title						
DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2302 SHEET NUMBER 2			



* DIVERSIFIED ALTERNATOR

	Drawing Title CONTROL DIAGRAM				
DATE 11/30/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CJC	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-2302 SHEET NUMBER 3



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

NP-1	PUMP 1/RUN
NP-2	PUMP 2/RUN
NP-3	HOA
NP-4	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					
	ENCLOSURE					
DATE 11/30/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CJC	DATE APPROVED BY	BY
	Project Title	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2302 SHEET NUMBER	
	DUPLEX PUMP CONTROL PANEL			Ph. (225)756-3271 Fax (225)755-1030		
					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	ABB	CL100R	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	SQUARE D	QOU110	CB3
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	Drawing Title BILL OF MATERIALS							
DATE 11/30/06	REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY	
	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			
	C.C.	R.C.	BY CJC	BY	DATE			
Project Title DUPLEX PUMP CONTROL PANEL	COX				P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER		
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