
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL AGI

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

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>3</u>	
FLA	<u>3.9</u>	
TYPE OF PUMP	<u>Self-Priming</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>Baldor</u>	
CATALOG NUMBER	<u>JMM7026T</u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Stainless Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>FLOATS</u>	(FLOATS, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

SEAL FAIL LIGHTS	<u> </u>	(Submersible Only)
SEAL FAIL RELAYS	<u> </u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u> </u>	(Submersible Only)
HT PUMP SHUTDOWN	<u> </u>	(Self-Primer, Submersible)
ALARM HORN	<u> </u>	
ALARM LIGHT	<u>X</u>	
LIGHT PANEL MTD	<u>X</u>	
LIGHT REMOTE MTD	<u> </u>	
LIGHT FLASHER	<u> </u>	
LIGHTNING ARRESTER	<u> </u>	
ELAPSED TIME METER	<u> </u>	
PHASE MONITOR	<u> </u>	
NEMA RATED STARTERS	<u> </u>	
GROUND FAULT RECPT.	<u> </u>	
GREEN RUN LIGHTS VS. RED	<u> </u>	
POLE, BOX, SEAL	<u> </u>	
INTRINSICALLY SAFE RELAYS	<u> </u>	
HIGH TEMP. LOCKOUT, MANUAL RESET	<u> </u>	
ECONOMY VERSION	<u> </u>	

SOLD TO: AGI - Marrero, LA
TAG :

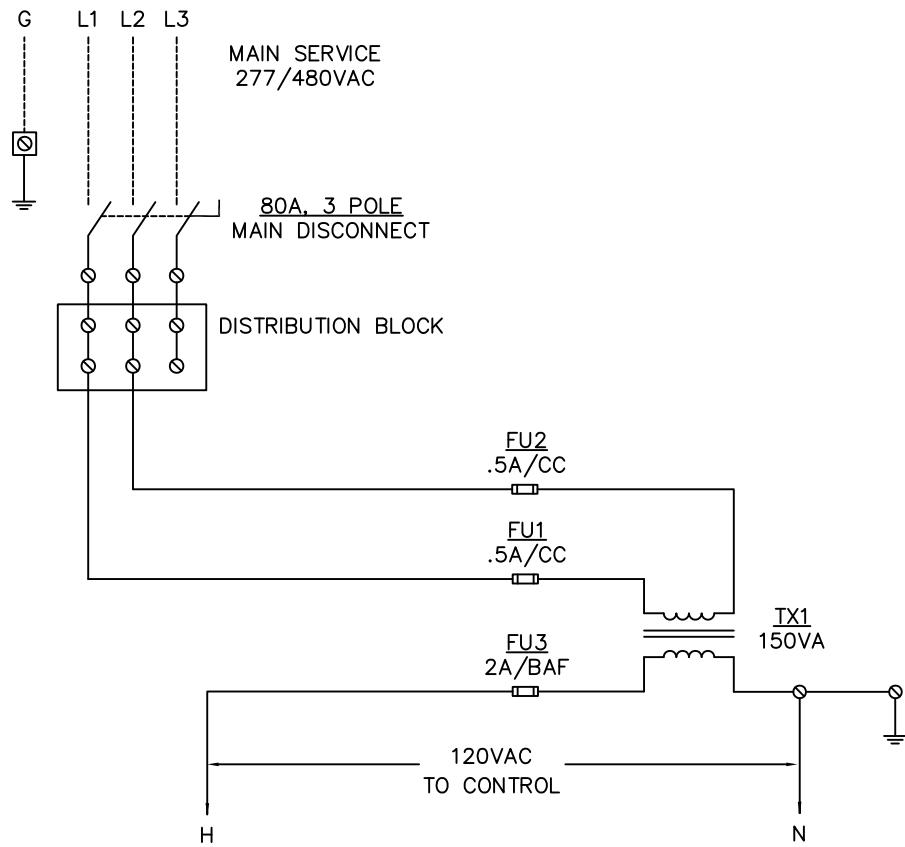
SHIP TO: AGI - Marrero, LA

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	BY C. RACHAL	BY	APPROVED	DATE
DATE 10/07/05	Project Title DUPLEX PUMP CONTROL PANEL	<u> </u>							
		<u> </u>							

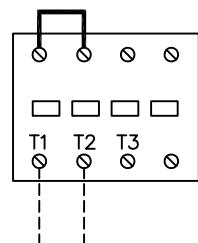
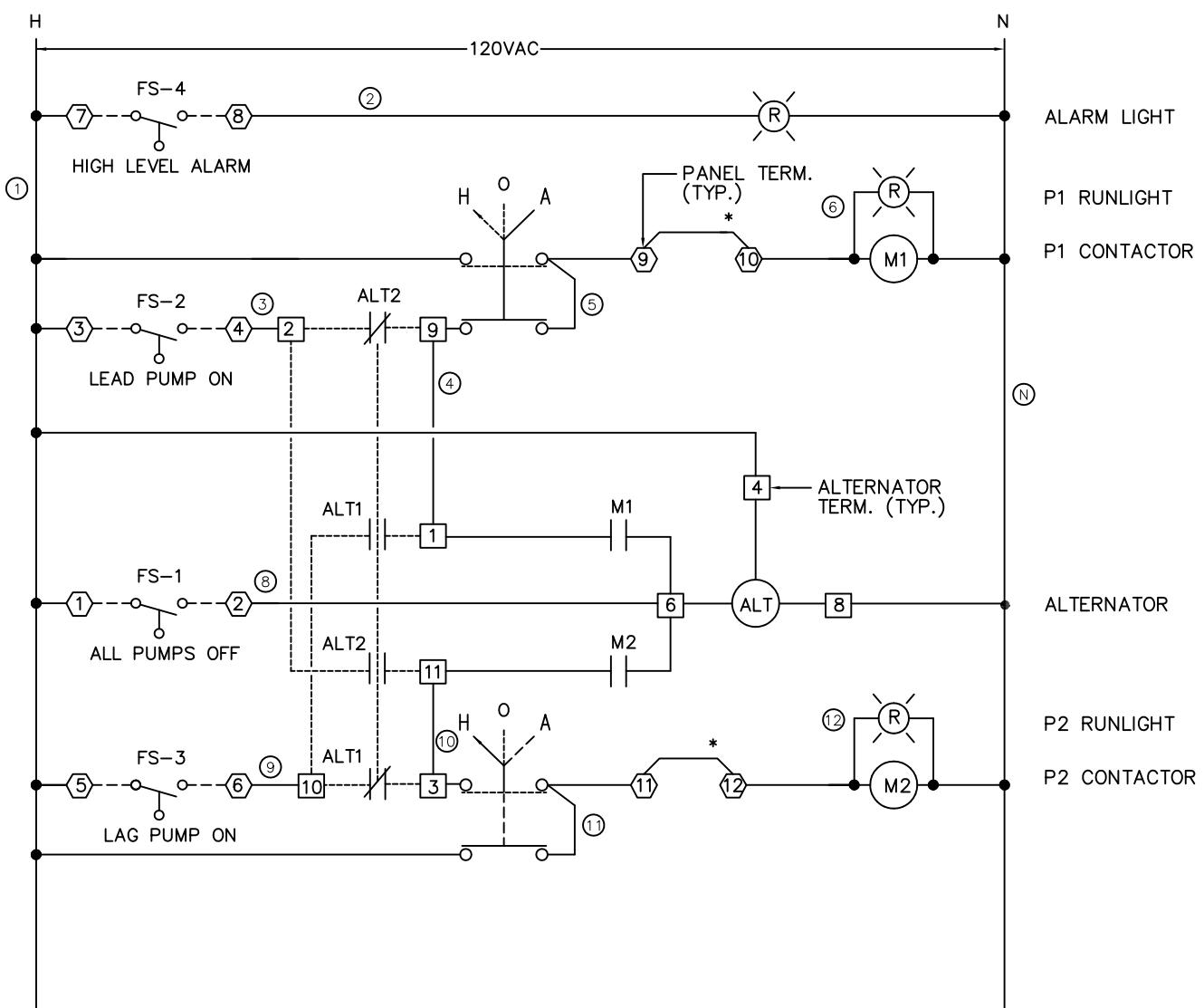
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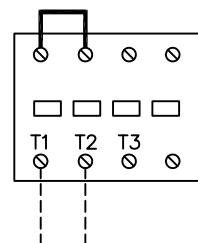
PURCHASE ORDER NUMBER
DRAWING NUMBER CP-2174
SHEET NUMBER 1



	Drawing Title POWER DIAGRAM				
DATE 10/07/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN	DATE APPROVED 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-2174 SHEET NUMBER 2



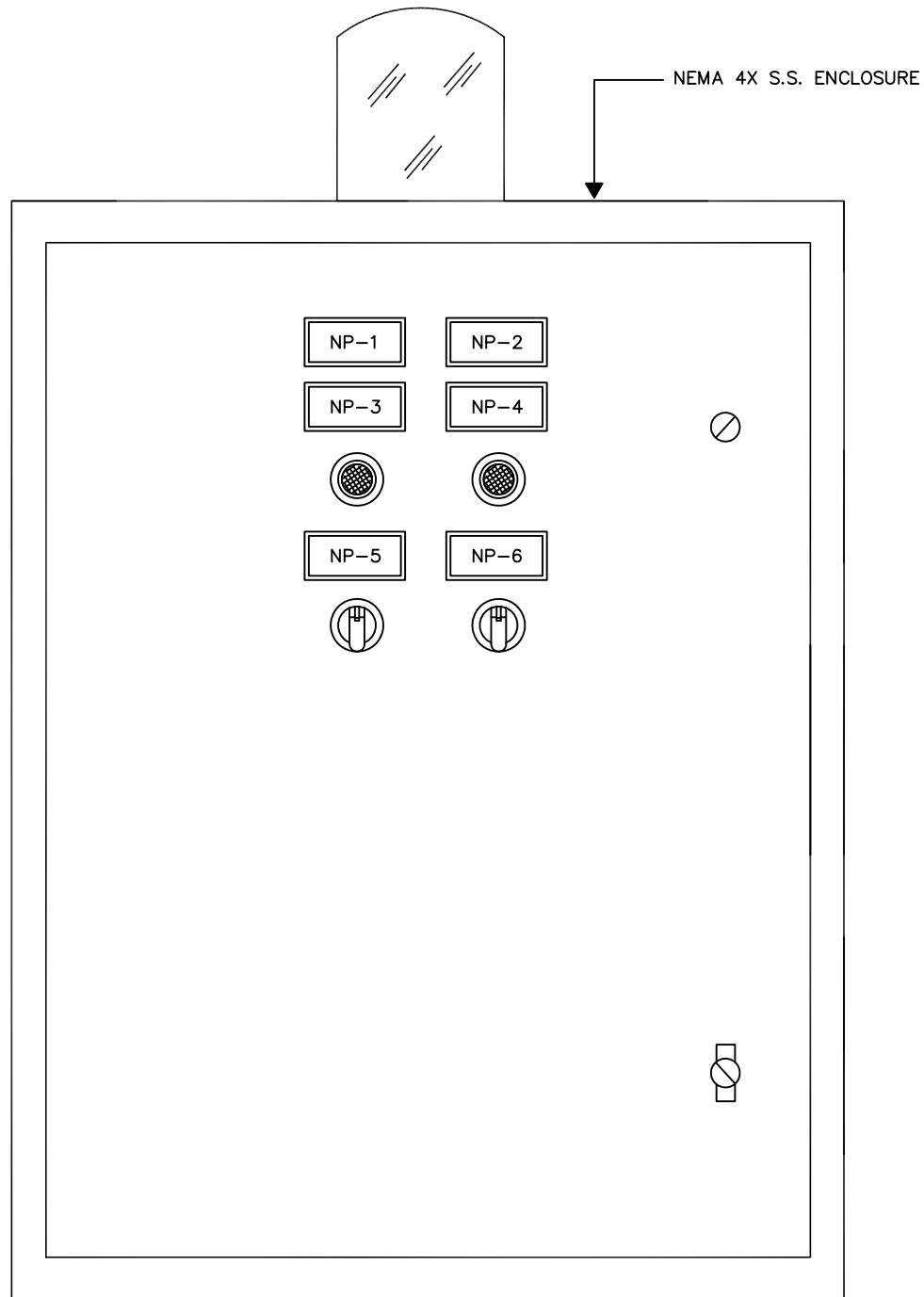
DRY CONTACT
TO PUMP 1
STARTER



DRY CONTACT
TO PUMP 2
STARTER

* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title CONTROL DIAGRAM							
DATE 10/07/05	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY DATE		
	Project Title		<hr/> <hr/> COX <hr/> <hr/> 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-2174		
						SHEET NUMBER 3		



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 ENCLOSURE						
DATE 10/07/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN BY	DATE APPROVED BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL		<hr/> <hr/> COX <hr/> <hr/> 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-2174	SHEET NUMBER 4

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	SAGINAW	SCE-20EL1608SSLP	ENCLOSURE
1a	1	SAGINAW	SCE-20P16	BACKPLATE
2	2	ABB	A16-30-10-84	MOTOR STARTER
3	1	ABB	T4150PSF1	TRANSFORMER
4	1	MARATHON	1323580	DISTRIBUTION BLOCK
5	2	ACI	JR22FR	RED PILOT LIGHT
6	2	ACI	JR22P3M20B	HOA SWITCH
7	1	ABB	OT63E3	DISCONNECT SWITCH
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	Drawing Title							
	BILL OF MATERIALS							
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
DATE 10/07/05			C.C.		R.C.	BY C.RACHAL	BY	DATE
	Project Title		COX		PURCHASE ORDER NUMBER DRAWING NUMBER CP-2174 SHEET NUMBER 5			
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.					