
COX

Research and Technology, Inc.

BORDEN MILK CONTROL PANEL

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

CP-1944

VOLTAGE	208V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	8	
HP		
FLA		
TYPE OF PUMP		(Self-Priming, Submersible)
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 1	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Start/Stop	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

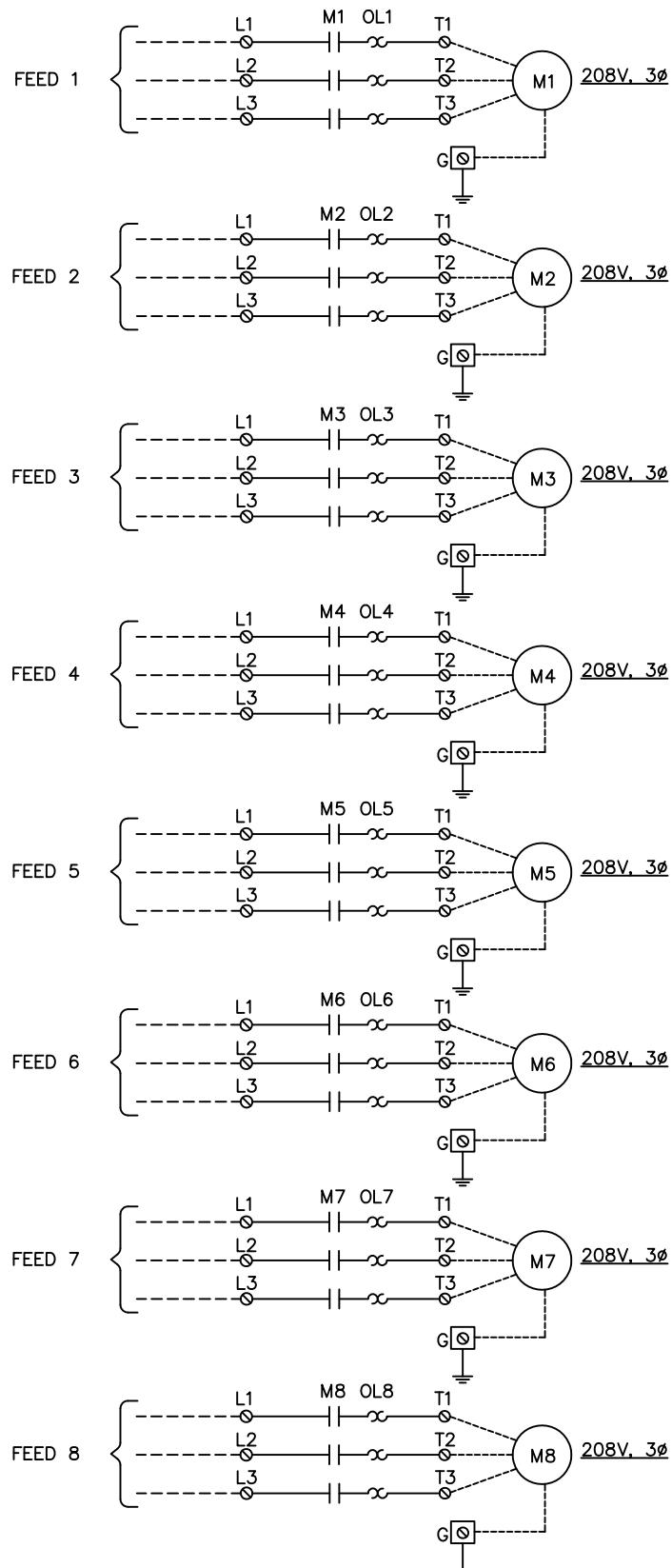
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT		
LIGHT PANEL MTD		
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		

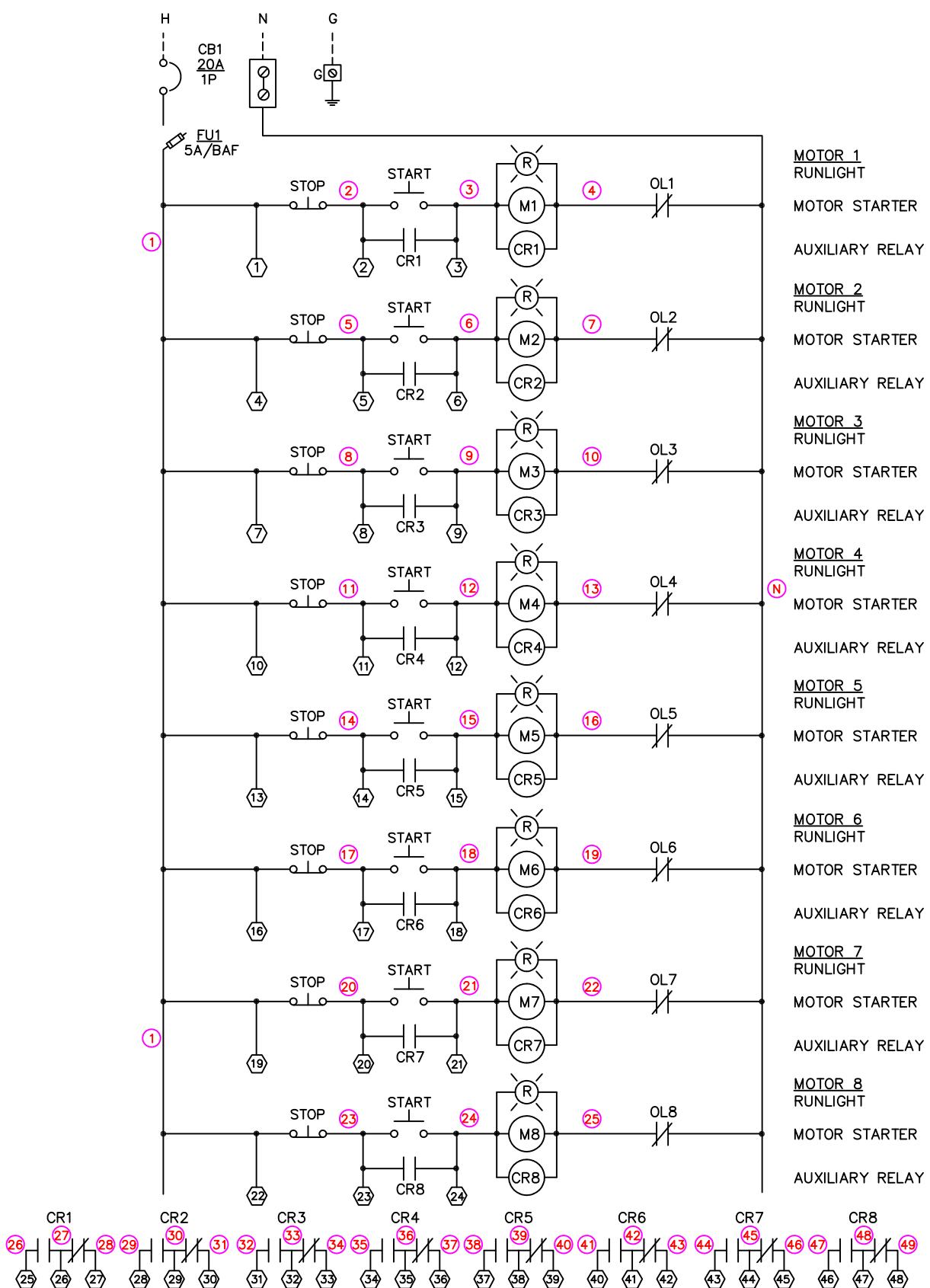
SOLD TO: ARMCO ELECTRIC
TAG : BORDEN MILK

SHIP TO: ARMCO ELECTRIC

	Drawing Title								
	PANEL DESCRIPTION								
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
			C.C.	R.C.	BY	C. RACHAL	BY	DATE	
DATE 11/02/04	Project Title BORDEN MILK 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-1944		SHEET NUMBER 1		



	Drawing Title POWER DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE
DATE 11/02/04		Application Engineer R.C.			
	Project Title BORDEN MILK 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-1944 SHEET NUMBER 2

120VAC CONTROL CIRCUIT

Drawing Title

CONTROL DIAGRAM

DATE
11/02/04

S/N	Sales Engineer C.C.	Application Engineer R.C.	REVISION-LOCATION		ECN	DATE	BY
			DRAWN	APPROVED			

Project Title

BORDEN MILK
CONTROL PANEL

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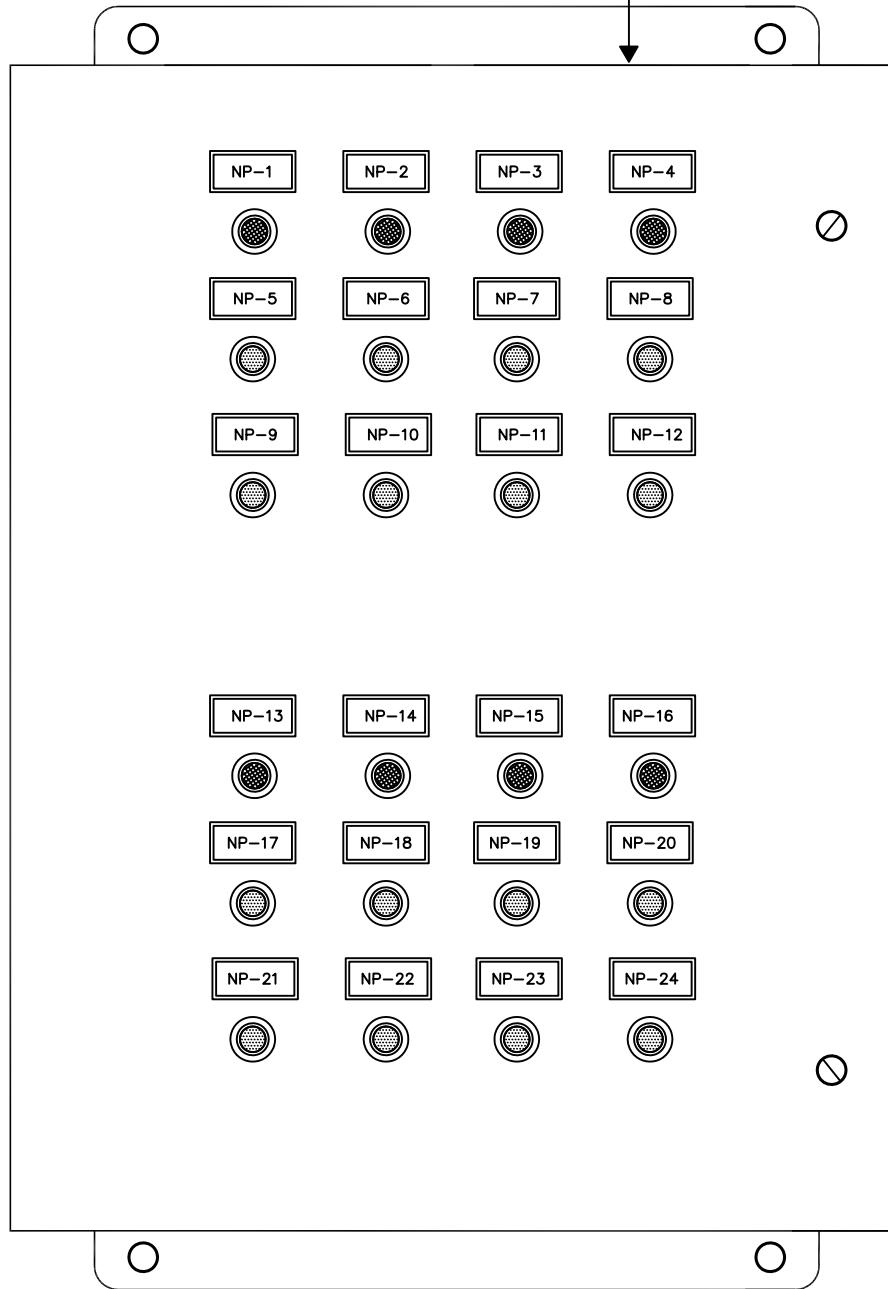
PURCHASE ORDER NUMBER

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CP-1944

SHEET NUMBER

NEMA 1 PAINTED STEEL ENCLOSURE



VIEW OF FRONT DOOR

NAMEPLATE SCHEDULE

NP-1	MOTOR 1	NP-9	STOP	NP-17	START
NP-2	MOTOR 2	NP-10	STOP	NP-18	START
NP-3	MOTOR 3	NP-11	STOP	NP-19	START
NP-4	MOTOR 4	NP-12	STOP	NP-20	START
NP-5	START	NP-13	MOTOR 5	NP-21	STOP
NP-6	START	NP-14	MOTOR 6	NP-22	STOP
NP-7	START	NP-15	MOTOR 7	NP-23	STOP
NP-8	START	NP-16	MOTOR 8	NP-24	STOP

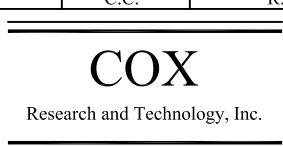
NOTE:

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

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	ENCLOSURE						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 11/02/04	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/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
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						SHEET NUMBER 4	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	SAGINAW	SCE-36EL3008	ENCLOSURE
1a	1	SAGINAW	SCE-36P30	BACKPLATE
2	8	SQUARE D	8536SC03V02	STARTER
3	24	SQUARE D	VARIOUS	O.L. HEATERS
4	1	SQUARE D	QOU120	CB1
5	1	MARATHON	1321580	NEUTRAL BLOCK
6	16	A-B	800H-AR2A	PUSH BUTTON
7	8	IDECA	RU2SA110	CR1-8
8	8	A-B	800H-QR10R	RED PILOT LIGHT
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	BILL OF MATERIALS								
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DATE 11/02/04				C.C.	R.C.	BY C. RACHAL	BY	DATE	
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	BORDEN MILK CONTROL PANEL						DRAWING NUMBER		
							CP-1944		
					SHEET NUMBER		5		