

---

---

# 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-2102

VOLTAGE	<u>208V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>6</u>	
HP	<u></u>	
FLA	<u></u>	
TYPE OF PUMP	<u></u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Fiberglass</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Remote</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	

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></u>	
LIGHT PANEL MTD	<u></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>	

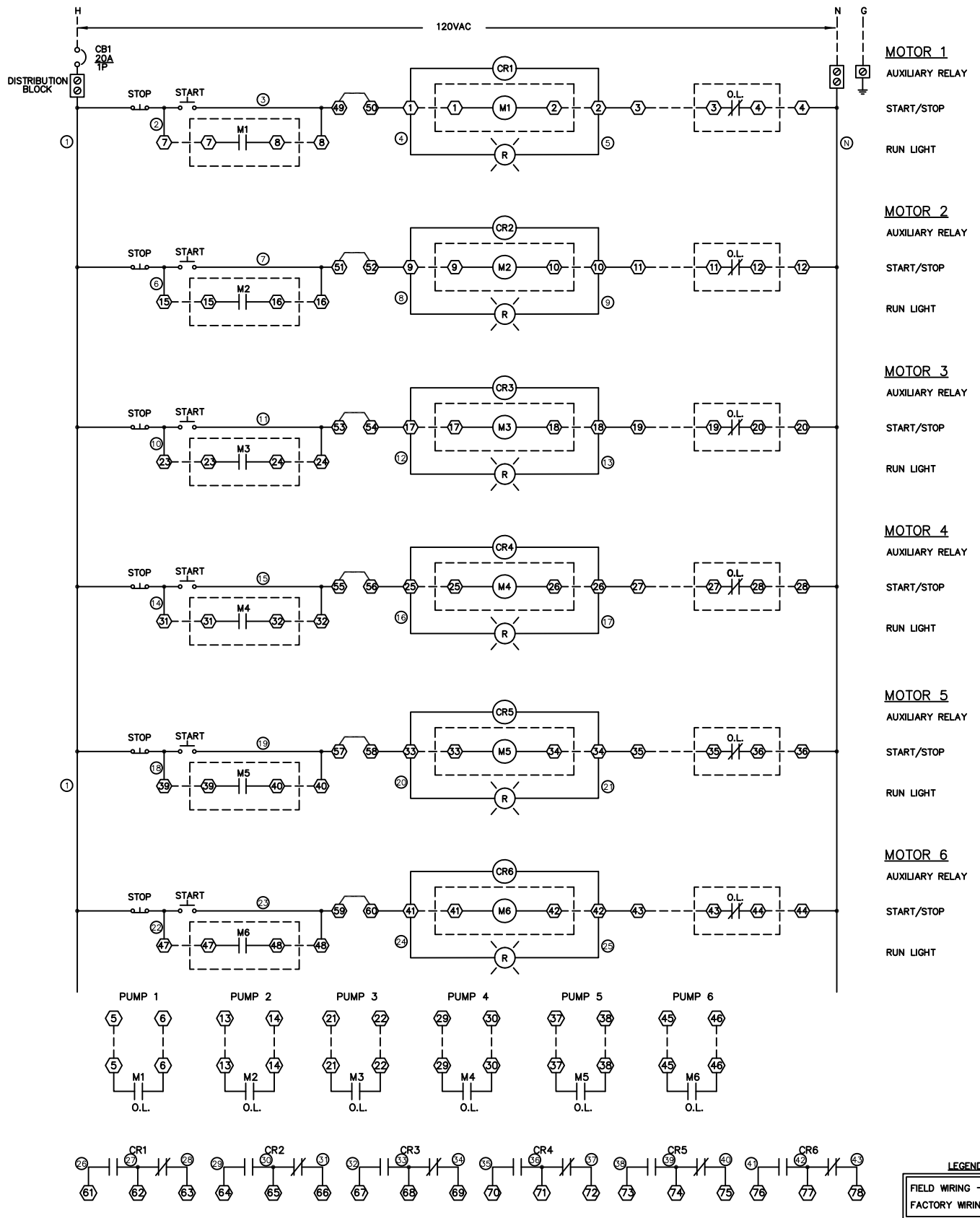
SOLD TO: ARMCO ELECTRIC

TAG : BORDEN MILK

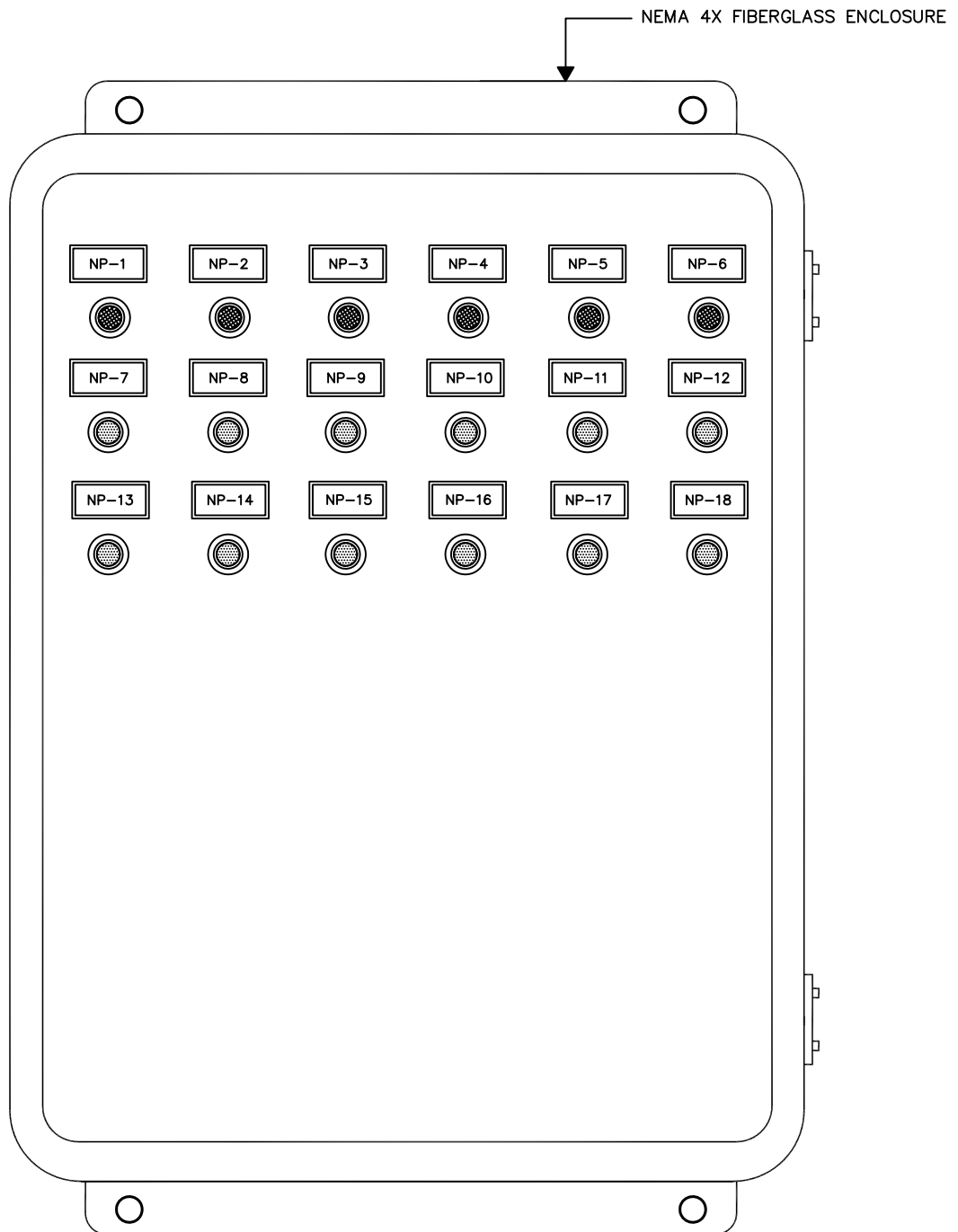
CONTROL PANEL

SHIP TO: ARMCO ELECTRIC

	Drawing Title						
	PANEL DESCRIPTION						
DATE 7/08/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;">   <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	BORDEN MILK CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2102
							SHEET NUMBER 1



DATE 7/08/05	Drawing Title							
	CONTROL WIRING							
Project Title	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N		Sales Engineer		Application Engineer		BY	DATE
BORDEN MILK CONTROL PANEL			C.C.		R.C.		DRAWN	
							BY C. RACHAL	
								PURCHASE ORDER NUMBER
								DRAWING NUMBER
								CP-2102
								SHEET NUMBER
								2



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

NP-1	RUN	NP-11	START
NP-2	RUN	NP-12	START
NP-3	RUN	NP-13	STOP
NP-4	RUN	NP-14	STOP
NP-5	RUN	NP-15	STOP
NP-6	RUN	NP-16	STOP
NP-7	START	NP-17	STOP
NP-8	START	NP-18	STOP
NP-9	START		
NP-10	START		

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							
DATE 7/08/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title				BY C. RACHAL	APPROVED BY	DATE	PURCHASE ORDER NUMBER
	BORDEN MILK CONTROL PANEL				P.O. Box 77808 Baton Rouge, LA 70809			DRAWING NUMBER CP-2102
					Ph. (225)756-3271 Fax (225)756-1030			SHEET NUMBER 4

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPL	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	SQUARE D	QOU120	CB1
3	2	MARATHON	1321580	DISTRIBUTION BLOCK
4	12	A-B	800H-AR2A	PUSH BUTTON
5	6	IDEC	RY2SA110	CR1-6
6	6	A-B	800H-QR10R	RED PILOT LIGHT
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 7/08/05		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	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px 0;"> <h1 style="margin: 0;">COX</h1> </div> <div style="font-size: small; margin-top: 5px;">Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2102 SHEET NUMBER 5
	<h2 style="margin: 0;">BORDEN MILK CONTROL PANEL</h2>						