
COX

Research and Technology, Inc.

SIMPLEX PUMP
CONTROL PANEL
MT. VERNON, TX

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

CP-2144

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	1	
HP	3	
FLA	9.6 (EST)	
TYPE OF PUMP	Self Priming	(Self-Priming, Submersible)
MANUFACTURER	Gorman Rupp	
CATALOG NUMBER		

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Off-On	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

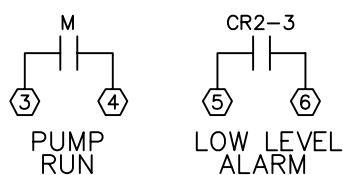
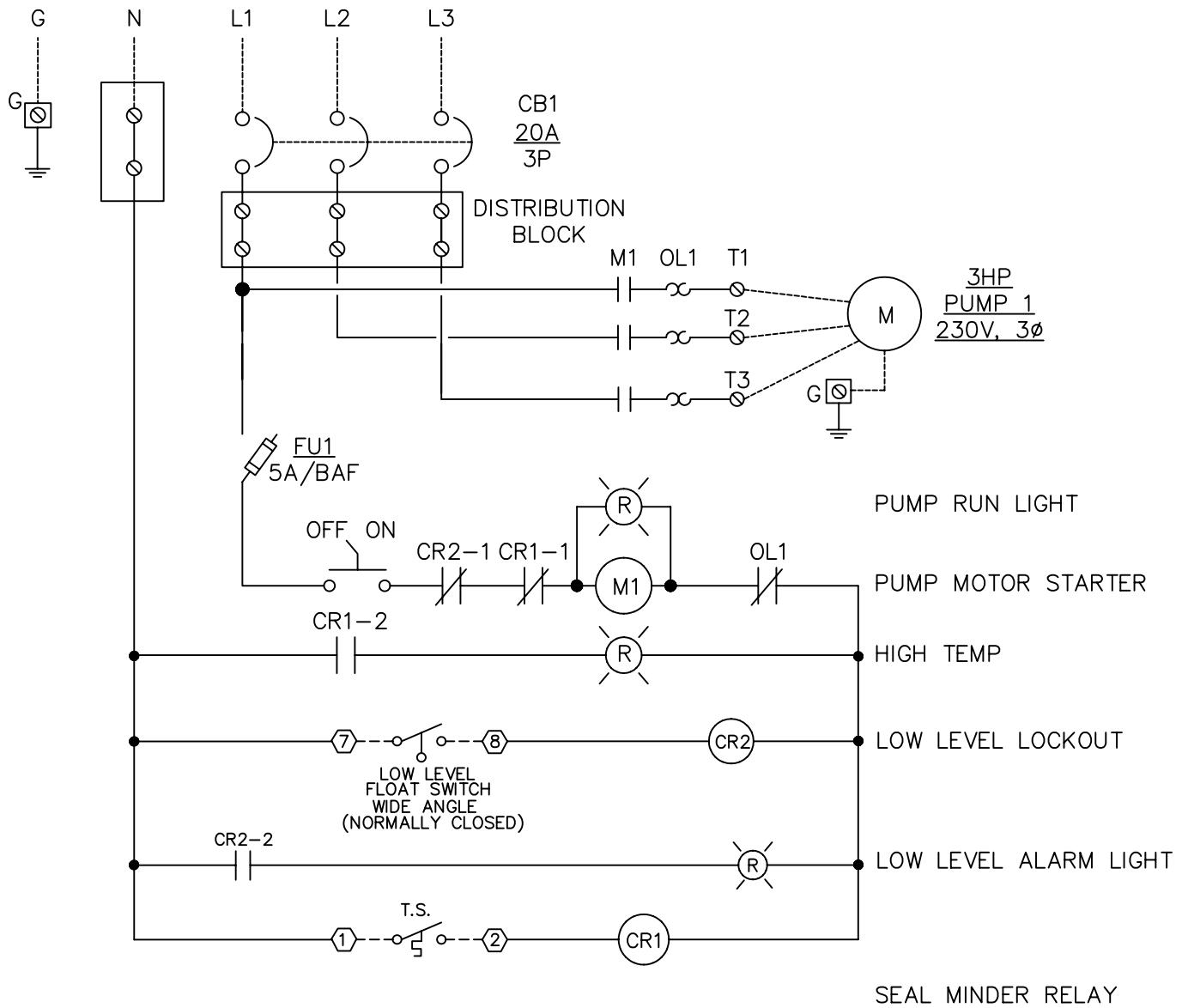
SEAL FAIL LIGHTS	<hr/> <hr/>	(Submersible Only)
SEAL FAIL RELAYS	<hr/> <hr/>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<hr/> <hr/>	(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	<hr/> <hr/>	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD	<hr/> <hr/>	
LIGHT FLASHER	<hr/>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

SOLD TO: CF Engineered Equipment
TAG : MT. VERNON, TX

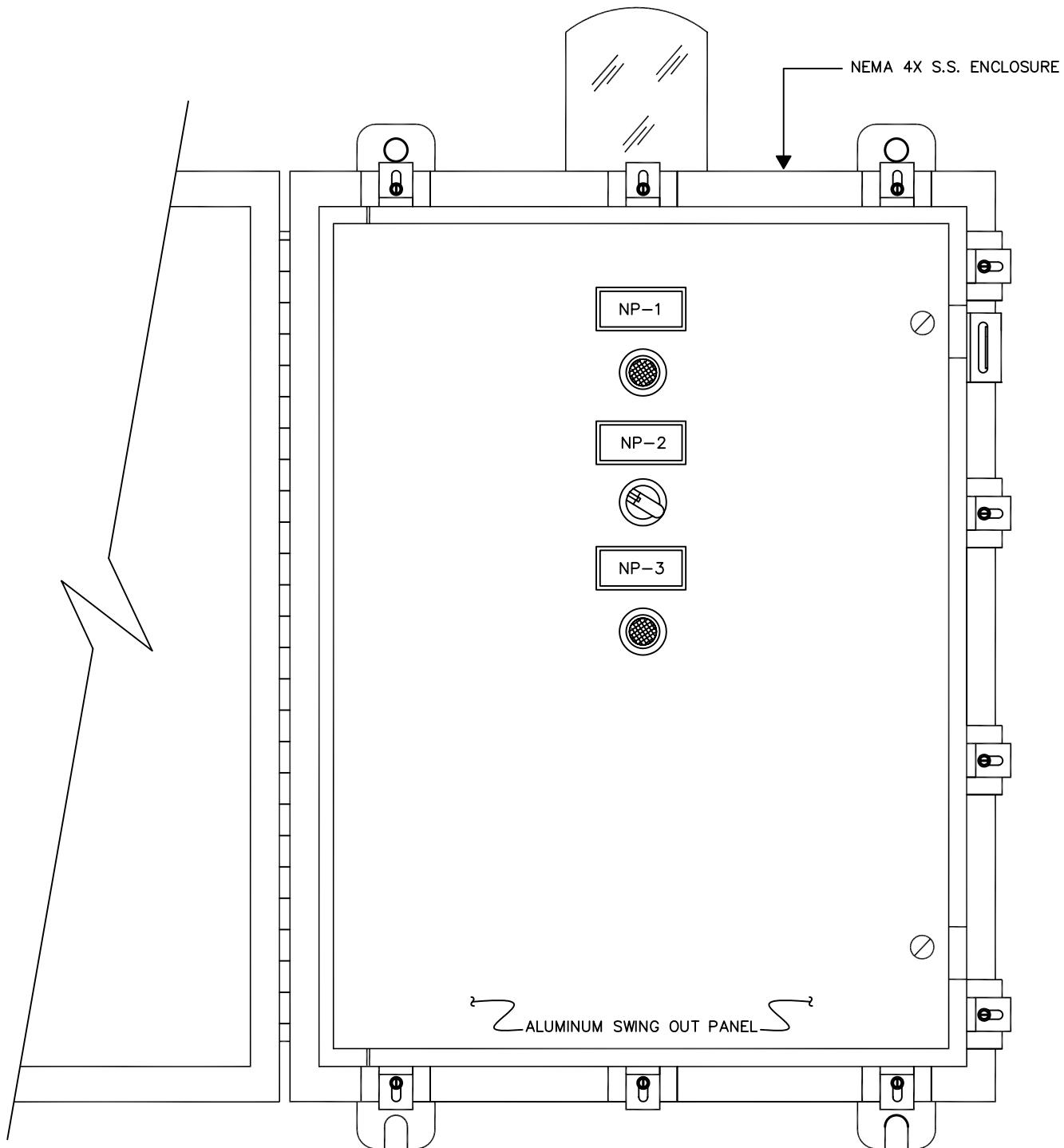
SHIP TO: _____

	Drawing Title PANEL DESCRIPTION								
DATE 9/07/05		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 SIMPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
							DRAWING NUMBER CP-2144		
					Ph. (225)756-3271 Fax (225)755-1030		SHEET NUMBER 1		

120/240 3Ø



	Drawing Title POWER DIAGRAM						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 9/07/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title SIMPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
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				SHEET NUMBER 2			



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

NAMEPLATE SCHEDULE

NP-1	PUMP 1 RUN
NP-2	OFF-ON
NP-3	HIGH TEMP

	Drawing Title ENCLOSURE	REFERENCE DRAWING				NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN					
DATE 9/07/05	Project Title SIMPLEX PUMP CONTROL PANEL			C.C.	R.C.	BY C. RACHAL	BY	APPROVED	BY	DATE
		COX 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-2144			
							SHEET NUMBER			
							3			

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S16128N4X	ENCLOSURE
1a	1	EBE	A1612P	BACKPLATE
1b	1	EBE	A1612SP	DEAD FRONT
2	1	ABB	A16-30-10-84	MOTOR STARTER
3	1	ABB	TA25DU11	OVERLOAD (7.5-11A)
4	2	ACI	JR22FR	RED PILOT LIGHT
5	1	ACI	JR22P2M11B	OFF-ON SWITCH
6	1	MARATHON	1321570	NEUTRAL BLOCK
7	1	MARATHON	1323580	DISTRIBUTION BLOCK
8	1	MAGNECRAFT	W388AMLCPX-9	CR1
9	1	IDECK	RU4SA110	CR2
10	1	SQUARE D	QOU320	CB1
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Drawing Title BILL OF MATERIALS							
	REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL		ECN APPROVED BY	DATE BY DATE
DATE 9/07/05							
Project Title SIMPLEX PUMP CONTROL PANEL							
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					SHEET NUMBER 4		