
COX

Research and Technology, Inc.

SIMPLEX MOTOR
CONTROL PANEL
BELT FILTER PRESS PUMP

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

CP-1982

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	1	
HP	3	
FLA	4.5	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

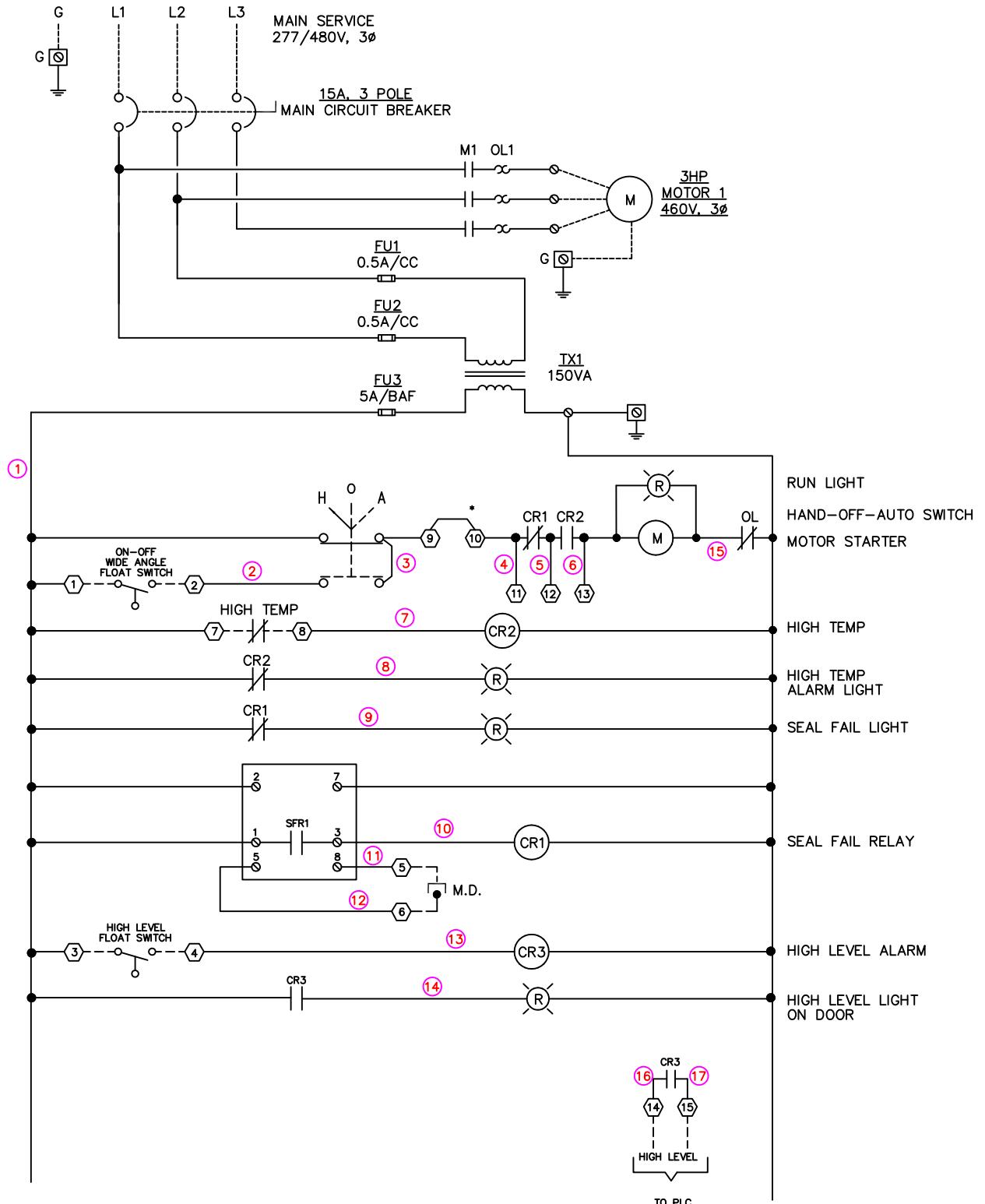
OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	X	(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
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: Cajun Constructors
TAG : Belt Filter Press Pump

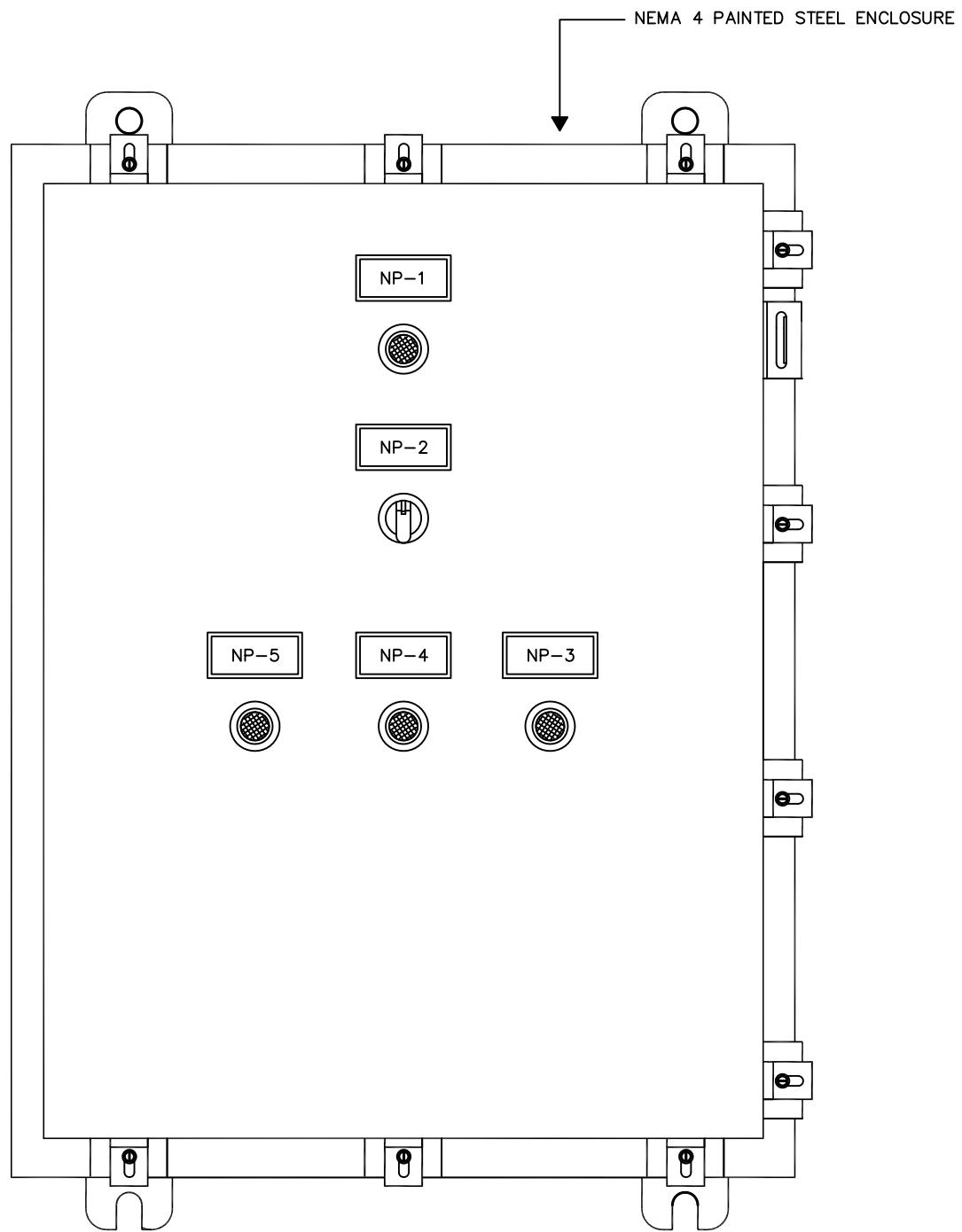
SHIP TO: Cajun Constructors

	Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO. C.C.	APPLICATION ENGINEER R.C.	REVISION-LOCATION		ECN	DATE	BY
			S/N	Sales Engineer			DRAWN BY C. RACHAL	APPROVED BY DATE			
DATE 1/19/05	Project Title	SIMPLEX MOTOR CONTROL PANEL					P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
							Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-1982	SHEET NUMBER	1	



* REMOVE JUMPER AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title POWER DIAGRAM						
DATE 1/19/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE BY APPROVED BY DATE
	Project Title SIMPLEX MOTOR CONTROL PANEL	<hr/> <hr/> <hr/> COX Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-1982	
						SHEET NUMBER 2	



FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

NP-1	RUN
NP-2	H-O-A
NP-3	HIGH LEVEL ALARM
NP-4	HIGH TEMP
NP-5	SEAL FAIL

	Drawing Title ENCLOSURE				
DATE 1/19/05	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
	Project Title SIMPLEX MOTOR 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-1982 SHEET NUMBER 3	

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	20166N4	NEMA 4 ENCLOSURE
2	1	EBE	2016P	BACKPLATE
3	1	ABB	S1N015TL	CIRCUIT BREAKER 1
4	1	ABB	A16-30-10-84	MOTOR STARTER
5	1	ABB	TA25DU5.0	O.L. (3.5-5.0A)
6	1	ABB	T4150PSF1	TRANSFORMER
7	2	IDEA	RY2UA110	CR1,2
8	1	SSAC	LLC54AA	SEAL FAIL RELAY
9	4	ACI	JR22FR	RED PILOT LIGHT
10	1	ACI	JR22P3M20B	HOA SWITCH
11				
12				
13				
14				
15				
16				

	Drawing Title							
	BILL OF MATERIALS							
DATE 1/19/05	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		
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER		
	SIMPLEX MOTOR CONTROL PANEL		Research and Technology, Inc.			DRAWING NUMBER CP-1982		
						SHEET NUMBER 4		