
COX

Research and Technology, Inc.

IRRIGATION MART

SIMPLEX PUMP

CONTROL PANEL

COLUMBO MARINE

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

CP-2313

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	1	
HP	15	
FLA	41.6	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Pentair	
CATALOG NUMBER	P6A0150A4	

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


OPTIONS:

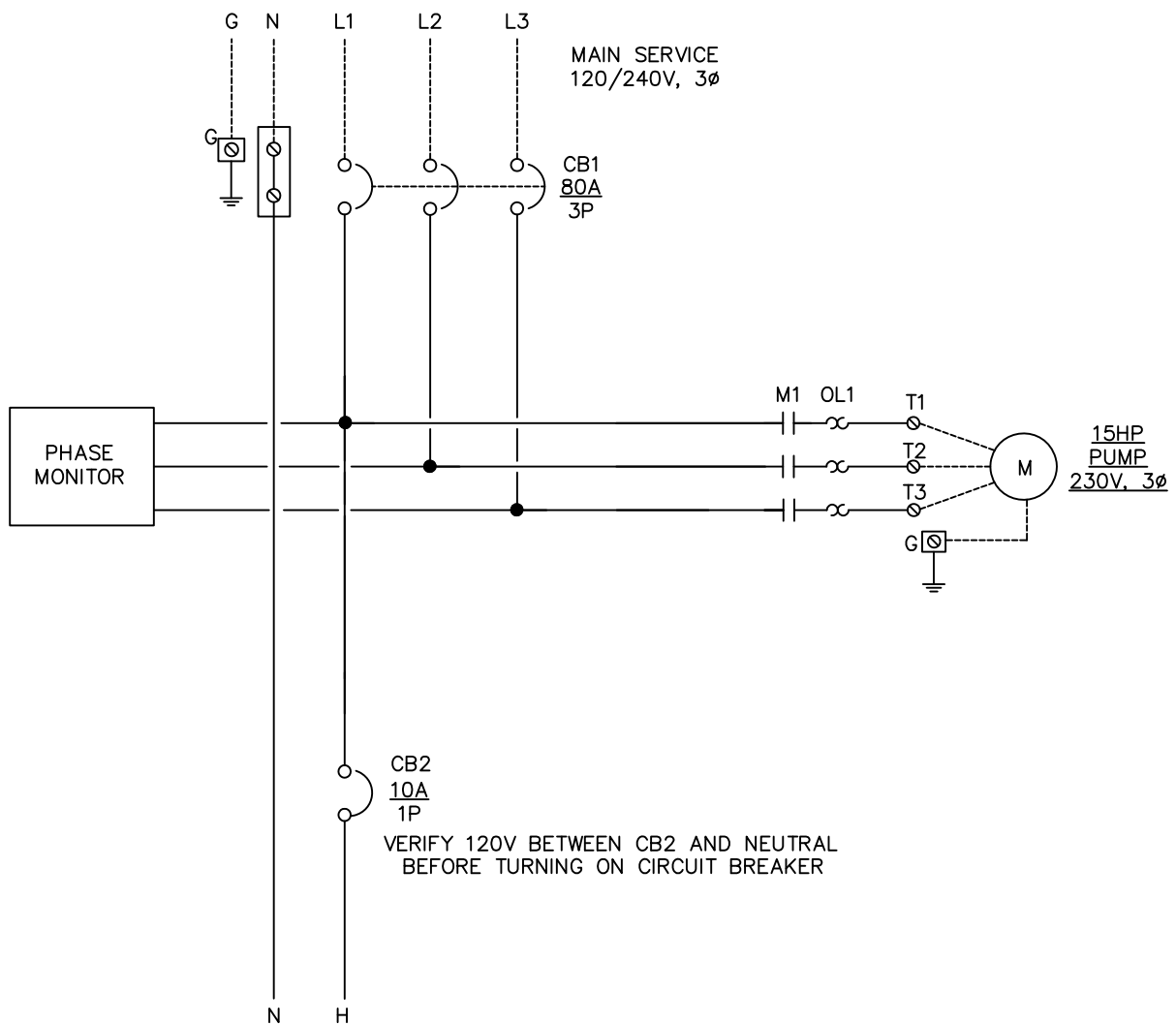
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
PHASE MONITOR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

SOLD TO: Irrigation Mart

TAG : COLUMBO MARINE

SHIP TO: _____

	Drawing Title							
	PANEL DESCRIPTION			1	ADDED PHASE MONITOR		4/28/06	
DATE			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
2/17/06			S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY DATE
	Project Title	<div style="text-align: center;">  COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	SIMPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2313	
							SHEET NUMBER 1	



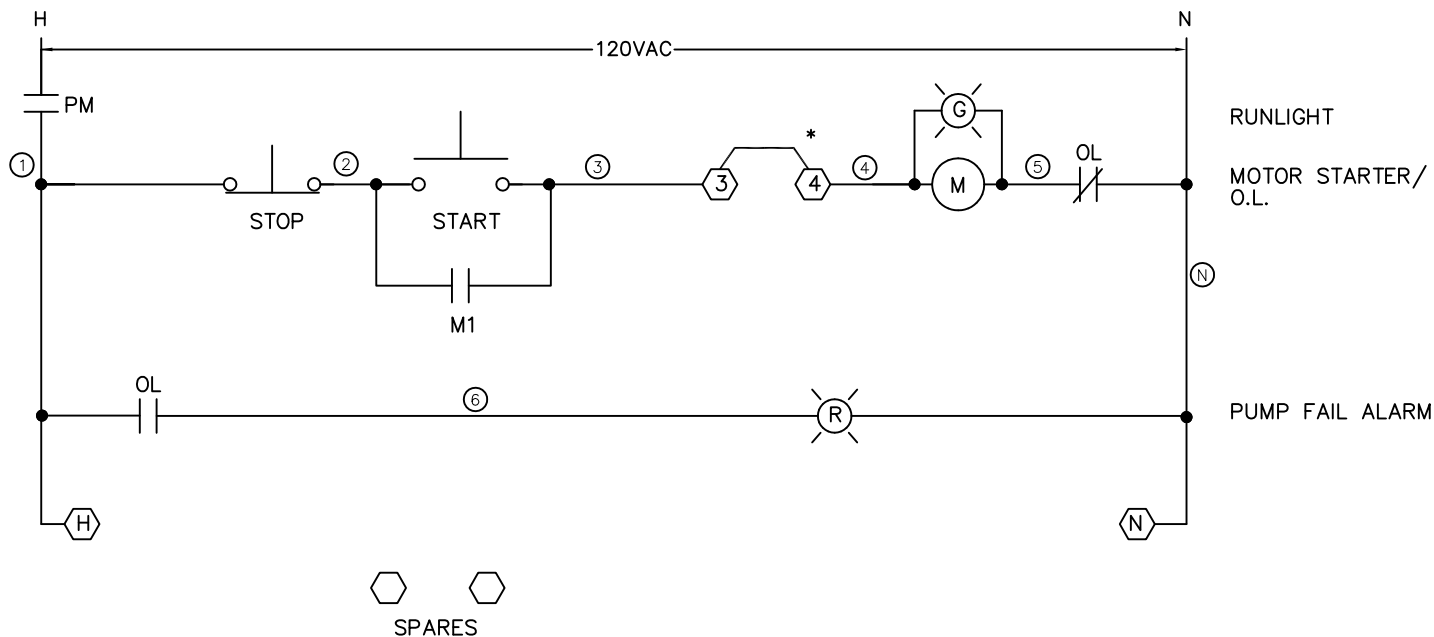
	Drawing Title							
	POWER DIAGRAM		1	ADDED PHASE MONITOR		4/28/06		
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
2/17/06		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED		
	Project Title							PURCHASE ORDER NUMBER
	SIMPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-2313
								SHEET NUMBER 2

COX

Research and Technology, Inc.

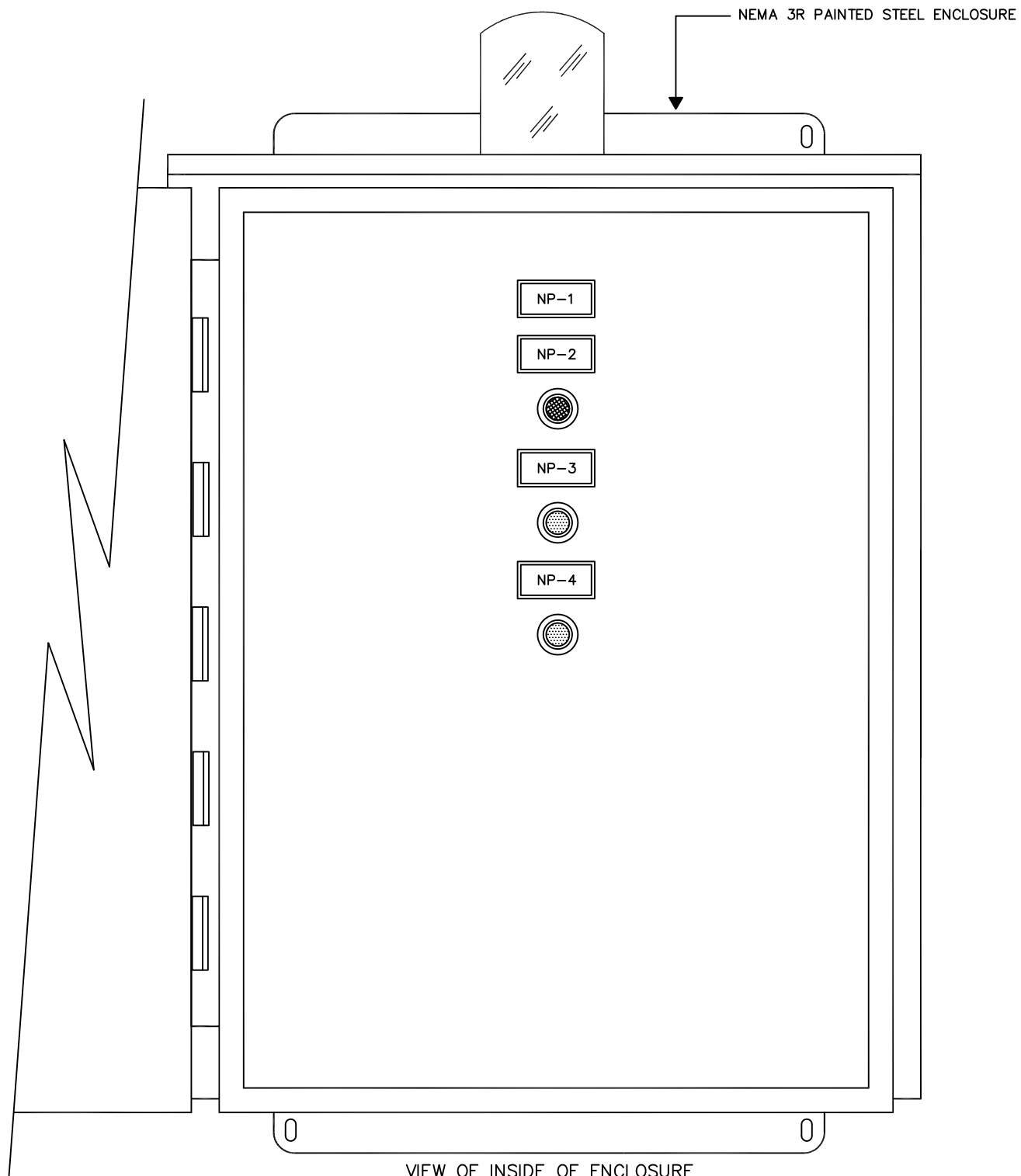
P.O. Box 77808
Baton Rouge, LA
70809

Ph. (225)756-3271
Fax (225)755-1030



* REMOVE JUMPER AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title							
	CONTROL DIAGRAM		1	ADDED PHASE MONITOR		4/28/06		
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
2/17/06		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	BY	DATE	
	Project Title				PURCHASE ORDER NUMBER			
	SIMPLEX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809		DRAWING NUMBER CP-2313	
					Ph. (225)756-3271 Fax (225)755-1030		SHEET NUMBER 3	



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

NAMEPLATE SCHEDULE

NP-1 PUMP
NP-2 RUN
NP-3 START
NP-4 STOP

	Drawing Title <	
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BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	SAGINAW	SCE-20R1608LP	ENCLOSURE
1a	1	SAGINAW	SCE-20P16	BACKPLATE
2	1	ABB	A50-30-11-84	MOTOR STARTER
3	1	ABB	TA75DU52	O.L. RELAY 1 (36-52A)
4	1	SQUARE D	QOU380	CB1
5	2	ACI	JR22AN11B	PUSH BUTTON
6	1	ACI	JR22FG	GREEN PILOT LIGHT
7	1	AC/DC	BL5R-120	ALARM LIGHT
8	1	SQUARE D	QOU110	CB2
9	1	MARATHON	1321580	NEUTRAL BLOCK
10	1	SSAC	PLMU11	PHASE MONITOR
11				
12				
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16				
17				
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19				
20				
21				
22				
23				
24				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>		1	ADDED PHASE MONITOR			4/28/06
DATE 2/17/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE BY
		APPROVED					
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <h1 style="margin: 0;">COX</h1> </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	<h2 style="margin: 0;">SIMPLEX PUMP CONTROL PANEL</h2>	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2313
							SHEET NUMBER 5