
COX

Research and Technology, Inc.

SIMPLEX PUMP CONTROL PANEL

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

VOLTAGE	230V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	1	
HP	7.5	
FLA	20.4	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Timer	(Floats, Bubbler, Other)
CAPACITORS		(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

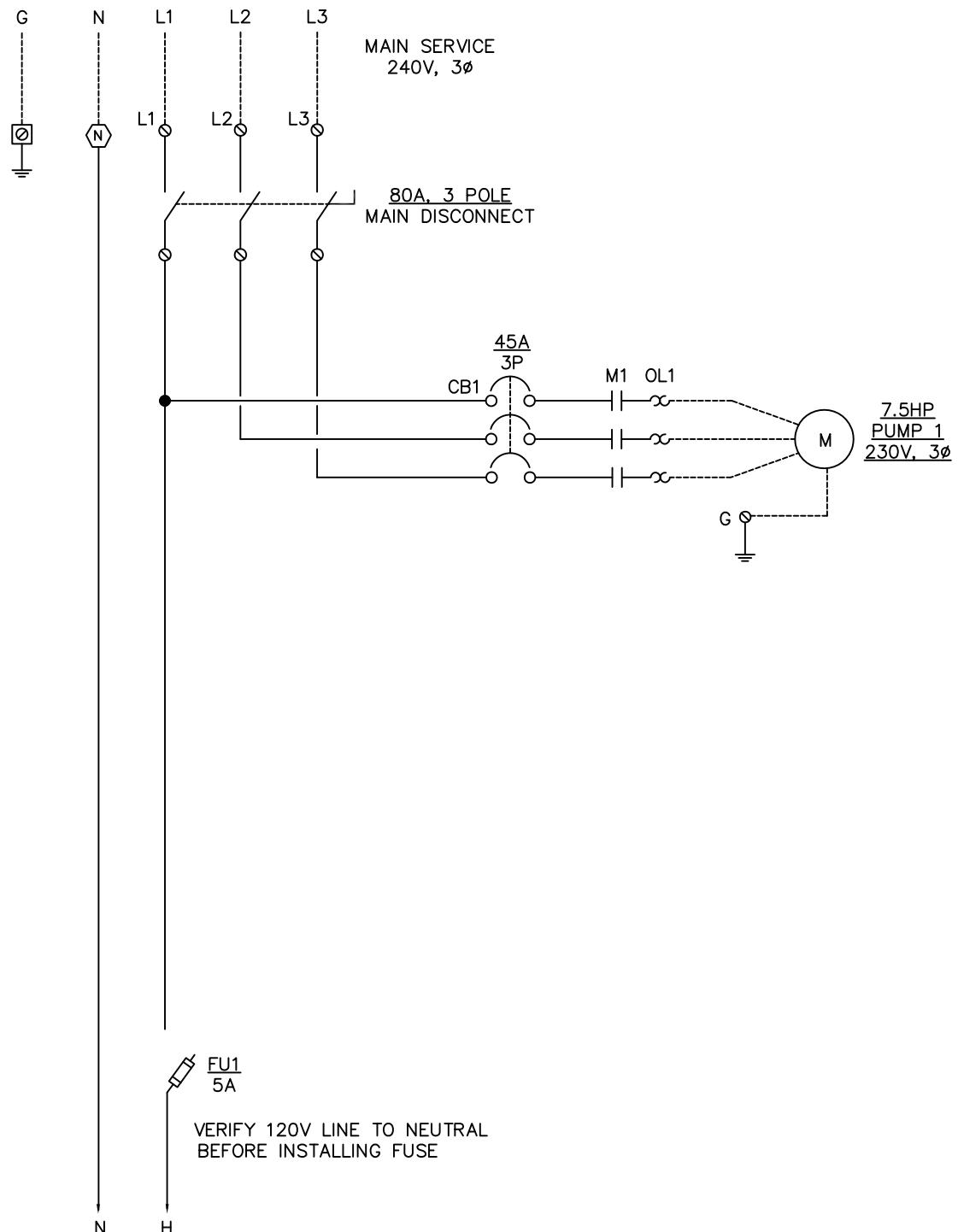
OPTIONS:

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		
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

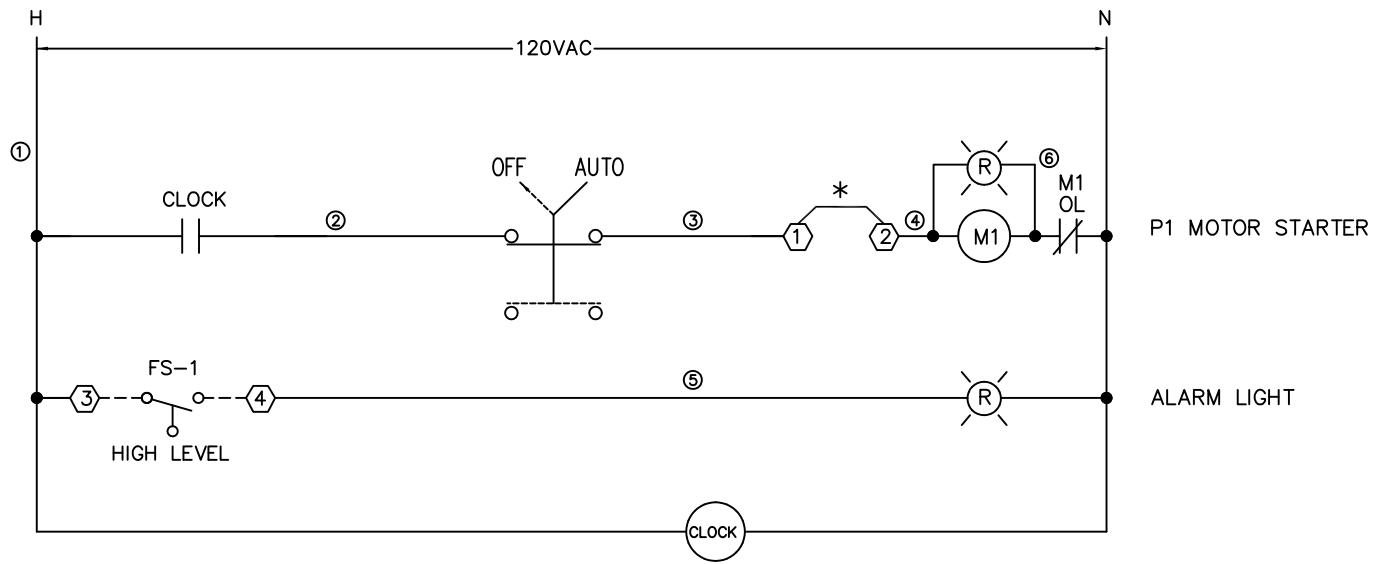
SOLD TO: DELTA PROCESS EQUIPMENT
TAG : PLAIN DEALINGS

SHIP TO: DELTA PROCESS, RUSTON, LA

	Drawing Title							
	PANEL DESCRIPTION							
			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
DATE 5/12/03	S/N	Sales Engineer	Application Engineer	R.C.	DRAWN BY C. RACHAL	APPROVED BY DATE	DATE	BY
	Project Title							
	SIMPLEX PUMP CONTROL PANEL		<u>COX</u> Research and Technology, Inc. <u> </u>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER	
							DRAWING NUMBER CP-1564	
					SHEET NUMBER 1			

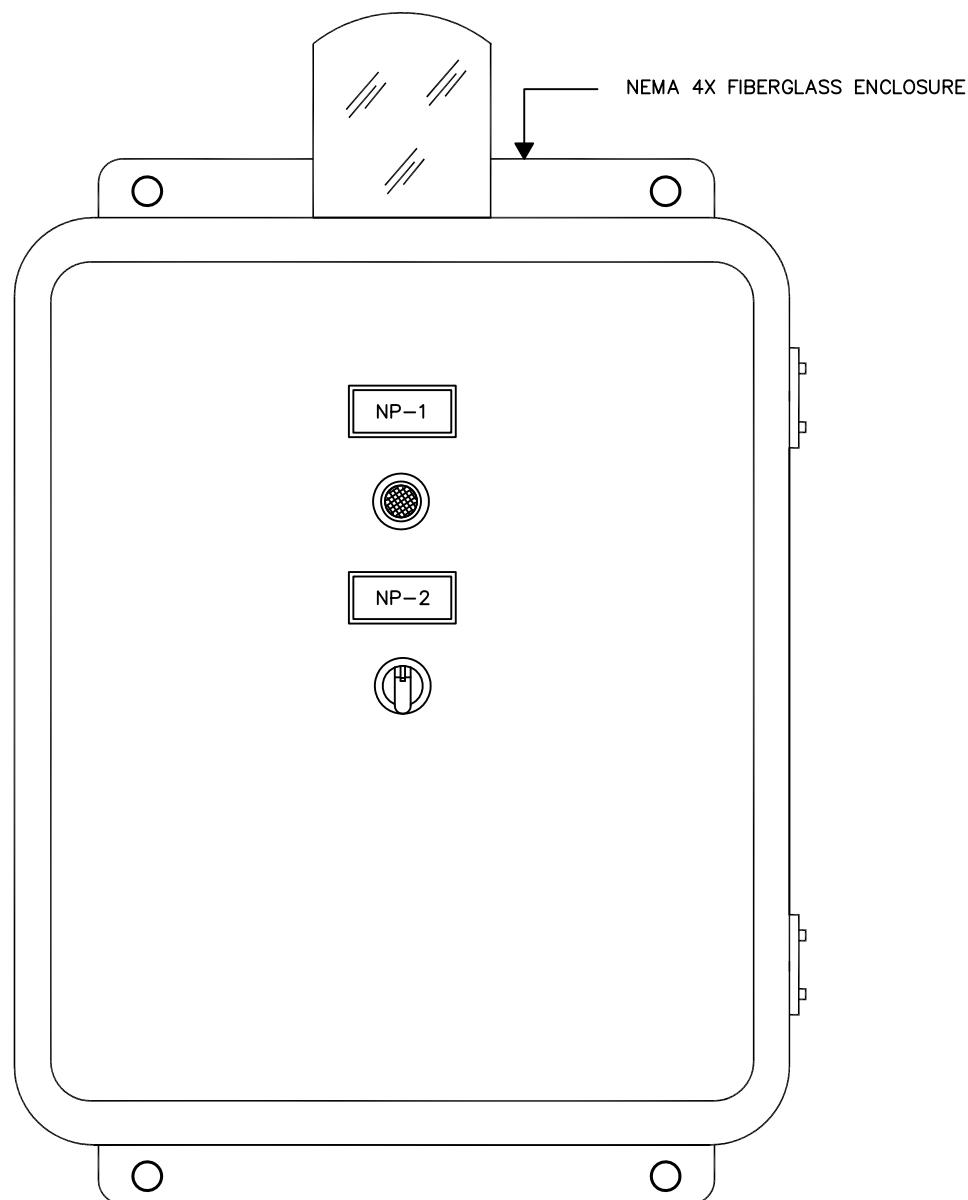


	Drawing Title POWER DIAGRAM				
DATE 5/12/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
Project Title SIMPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
		Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1564		
			SHEET NUMBER 2		



* REMOVE JUMPER IF MOTOR INTERLOCKING
DEVICE IS USED.

	Drawing Title					
	CONTROL DIAGRAM					
DATE 5/12/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title					
	SIMPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER		
				DRAWING NUMBER	CP-1564	
				SHEET NUMBER		3



VIEW OF FRONT OF PANEL

NOTE:

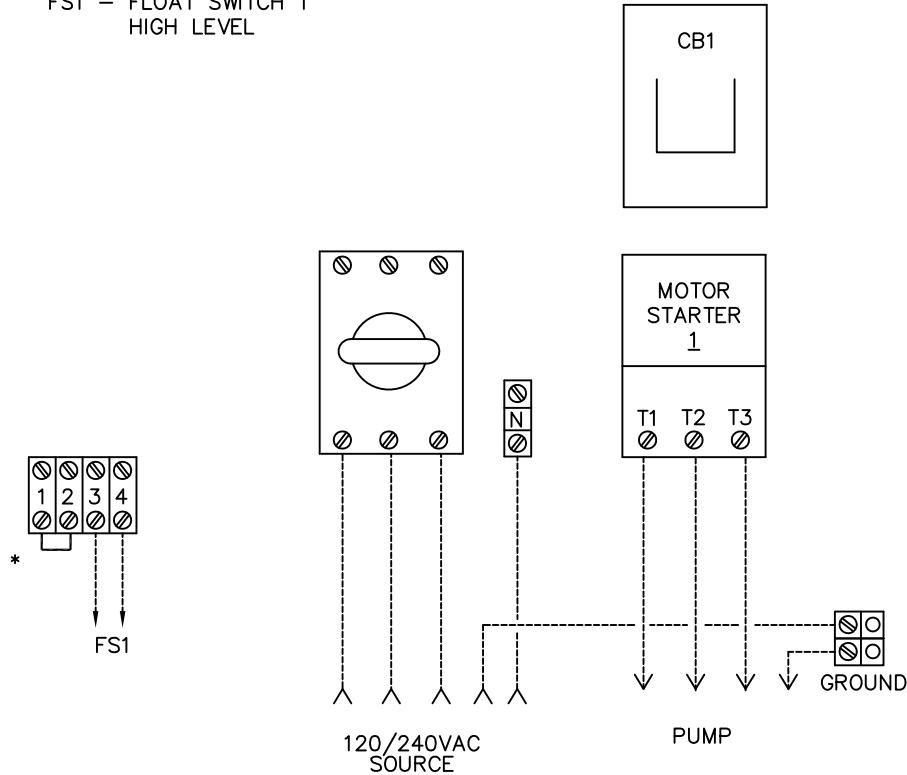
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

NAMEPLATE SCHEDULE

NP-1 RUN
NP-2 OFF-AUTO

	Drawing Title					
	ENCLOSURE					
DATE 5/12/03	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY
	Sales Engineer	Application Engineer R.C.			APPROVED	
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	SIMPLEX PUMP CONTROL PANEL		Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1564		
				SHEET NUMBER 4		

FS1 - FLOAT SWITCH 1
HIGH LEVEL



	Drawing Title					
	EXTERNAL CONNECTIONS					
DATE 5/12/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE	BY
	Project Title SIMPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1564	SHEET NUMBER 5

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1614HPL	ENCLOSURE
1a	1	VYNCKIER	BP1614AL	BACKPLATE
2	1	ABB	A26-30-10-84	MOTOR STARTER
3	1	ABB	TA25DU25	O.L. RELAY (18-25A)
4	1	ABB	OT63E3	DISCONNECT SWITCH
5	1	SQUARE D	QOU345	CIRCUIT BREAKER
6	1	ACI	JR22FR	RED PIOLT LIGHT
7	1	ACI	JR22P2M11B1	OFF-ON
8	1	INGRAM	MX-15	ALARM LIGHT
9	1	GRASSLIN	FM-1/STUZH-L	CLOCK
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	Drawing Title					
	BILL OF MATERIALS					
DATE 5/12/03	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE	BY
Project Title SIMPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1564 SHEET NUMBER 6			