
COX

Research and Technology, Inc.

SIMPLEX PUMP CONTROL PANEL NCX

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

CP-1826

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	1	
HP	2	
FLA	4.0	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	SGVF2042L	
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	Floats	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

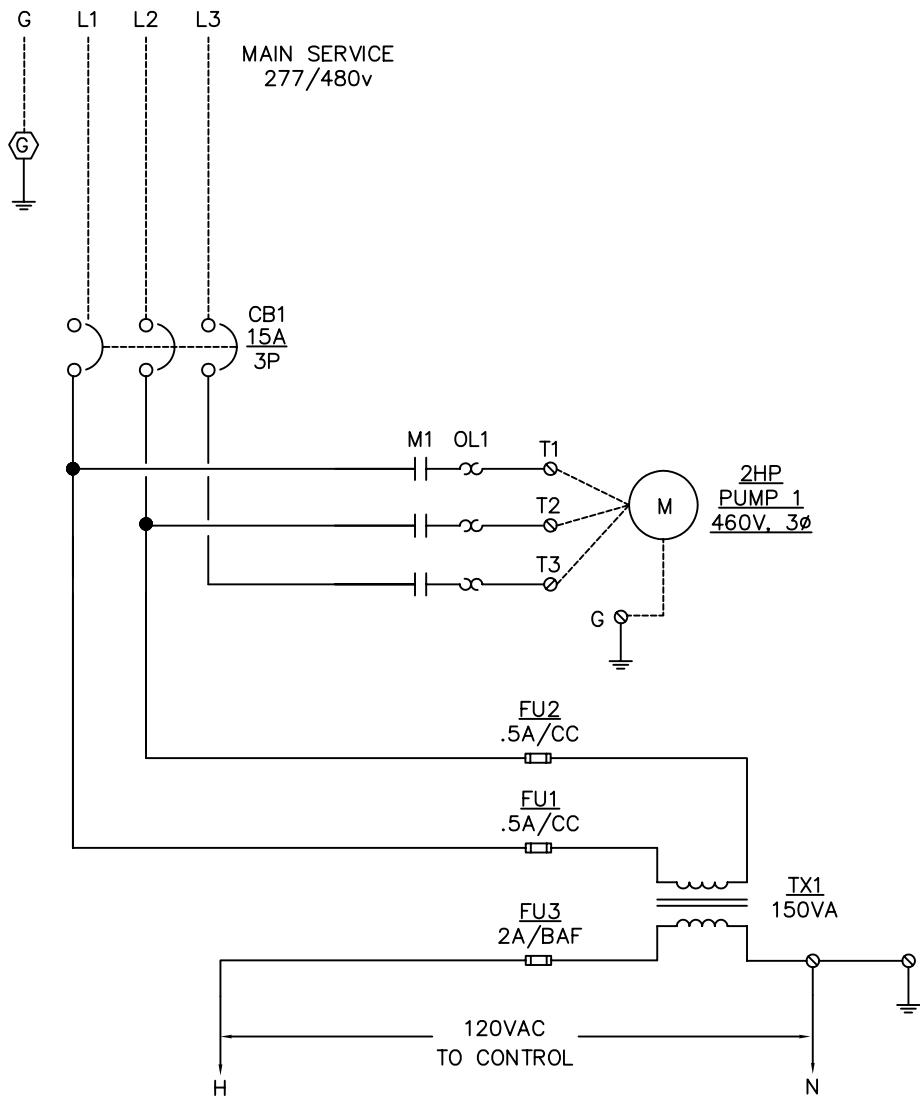
OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(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	X	

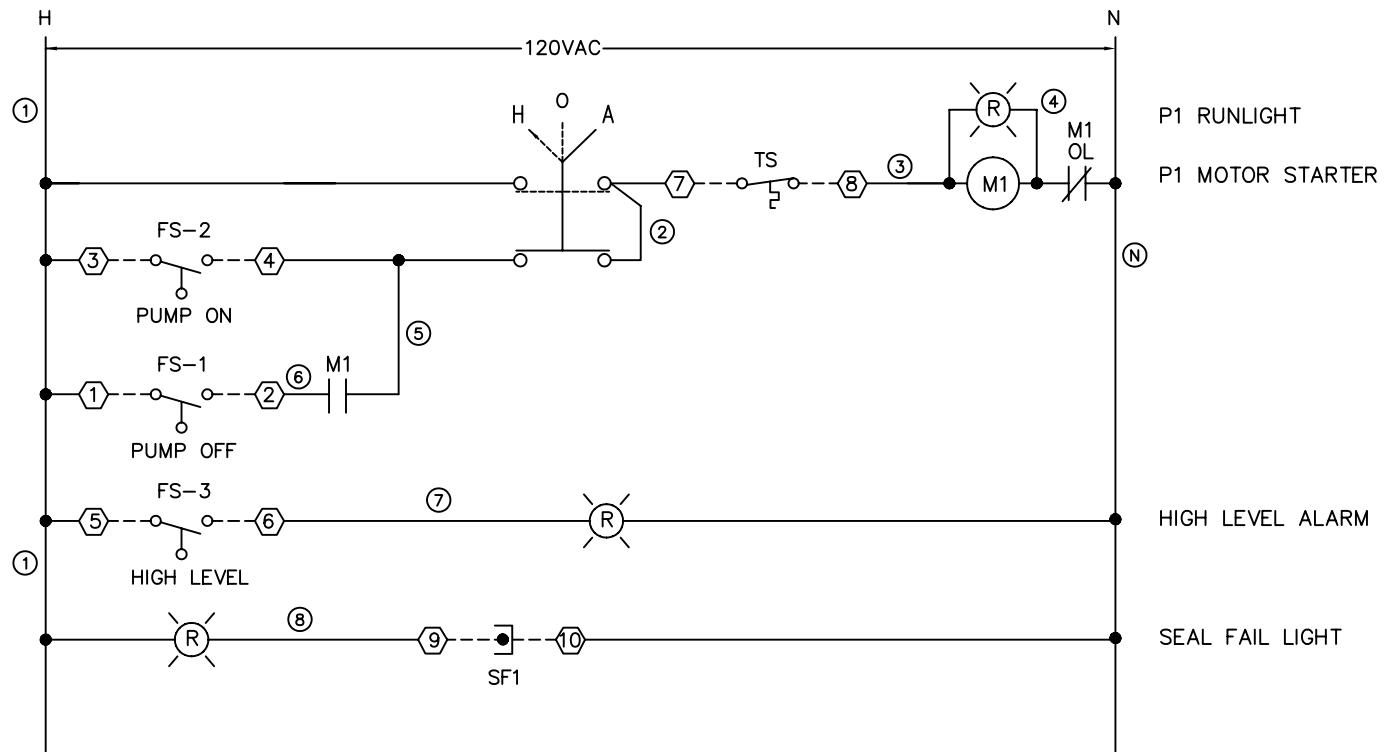
SOLD TO: Delta Process - New Orleans, LA
 TAG : NCX

SHIP TO: Delta Process - Denham Springs, LA

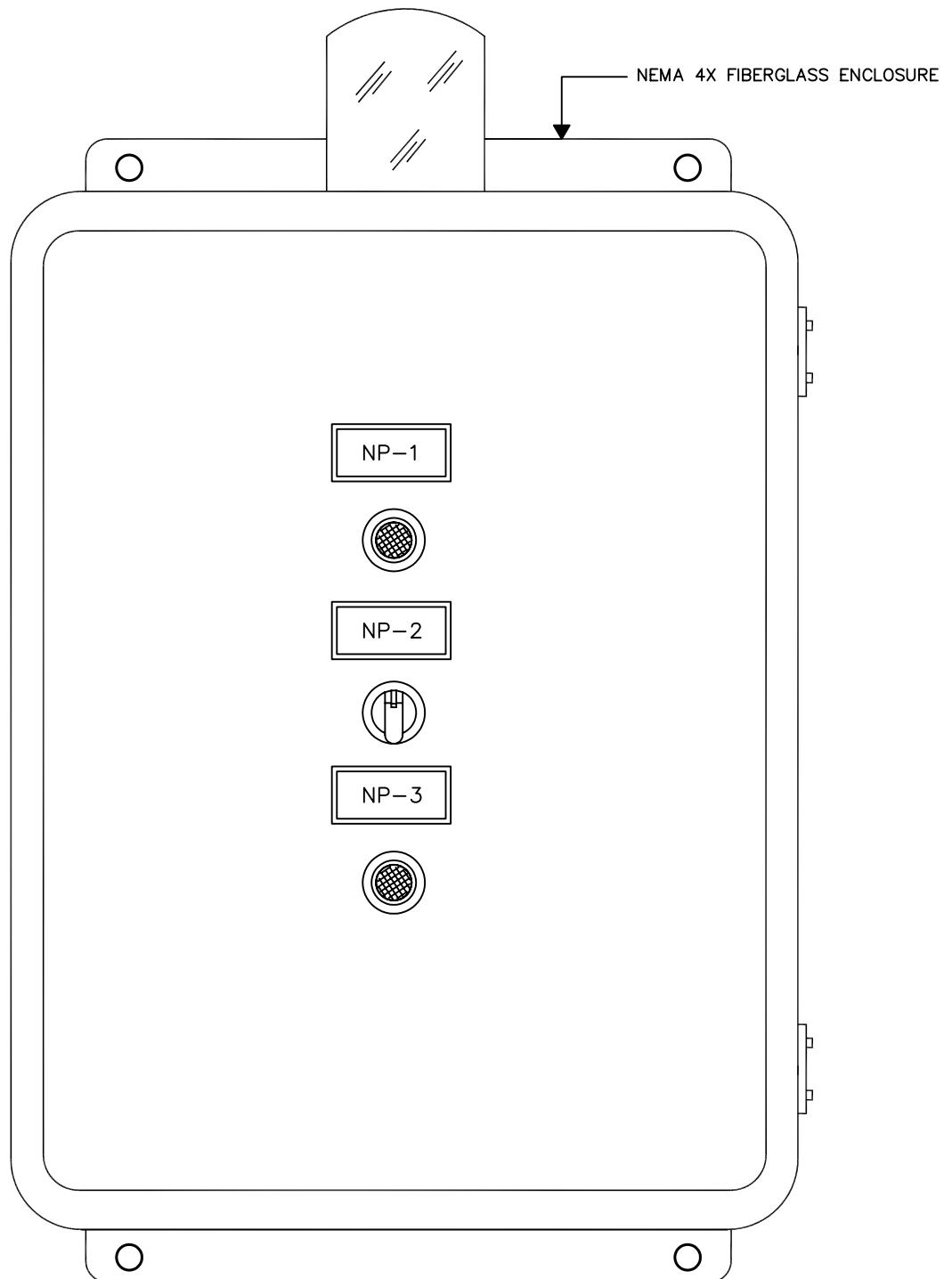
DATE 6/09/04	Drawing Title PANEL DESCRIPTION								
		REFERENCE DRAWING S/N	DRAWN Sales Engineer C.C.	NO. Application Engineer R.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY	BY	
	Project Title SIMPLEX PUMP CONTROL PANEL		COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER CP-1826		
			Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER SHEET NUMBER		1



	Drawing Title POWER DIAGRAM				
DATE 6/09/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE
	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-1826 SHEET NUMBER 2	



	Drawing Title CONTROL DIAGRAM							
DATE 6/09/04		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY	DATE	
	Project Title		<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.			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-1826	
							SHEET NUMBER 3	



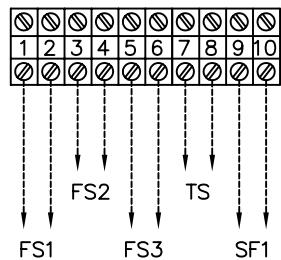
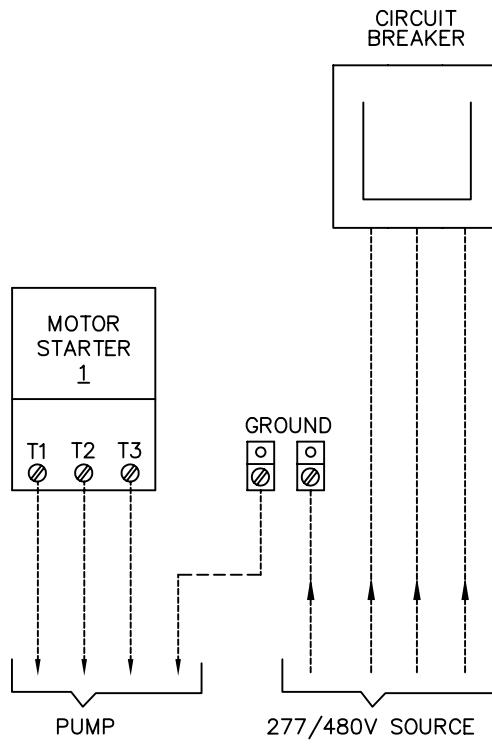
VIEW OF FRONT DOOR

NAMEPLATE SCHEDULE

NP-1	PUMP RUN
NP-2	HOA
NP-3	SEAL FAIL

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

DATE 6/09/04	Drawing Title ENCLOSURE						
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY
Project Title SIMPLEX PUMP CONTROL PANEL		<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1826 SHEET NUMBER 4	



FS1 – FLOAT SWITCH 1
 PUMP OFF
 FS2 – FLOAT SWITCH 2
 PUMP ON
 FS3 – FLOAT SWITCH 3
 HIGH LEVEL ALARM
 TS – TEMP. SWITCH 1
 SF1 – SEAL PROBE

	Drawing Title					
	EXTERNAL CONNECTIONS					
DATE 6/09/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	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-1826 SHEET NUMBER 5	

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1412HWPL	ENCLOSURE
1a	1	VYNCKIER	MP1412	BACKPLATE
2	1	ABB	A16-30-10-84	MOTOR STARTER
3	1	ABB	TA25DU5.0	O.L. RELAY (3.5-5.0A)
4	1	ABB	S1NO15TL	CIRCUIT BREAKER
5	2	ACI	JR22FR	RED PILOT LIGHT
6	1	ACI	JR22P3M20B	HOA SWITCH
7	1	ABB	T4150PSF1	TRANSFORMER
8	1	INGRAM	MX-15	ALARM LIGHT
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	Drawing Title BILL OF MATERIALS						
DATE 6/09/04	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 SIMPLEX PUMP CONTROL PANEL	COX				PURCHASE ORDER NUMBER DRAWING NUMBER CP-1826 SHEET NUMBER 6		
	Research and Technology, Inc.						