
COX

Research and Technology, Inc.

SIMPLEX PUMP CONTROL PANEL AMISS SILO SUMP PUMP

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

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	1	
HP	2	
FLA	14	
TYPE OF PUMP	Submersible	
MANUFACTURER	Barnes	(Self-Priming, Submersible)
CATALOG NUMBER	3XSE2024EA	

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	Yes	(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

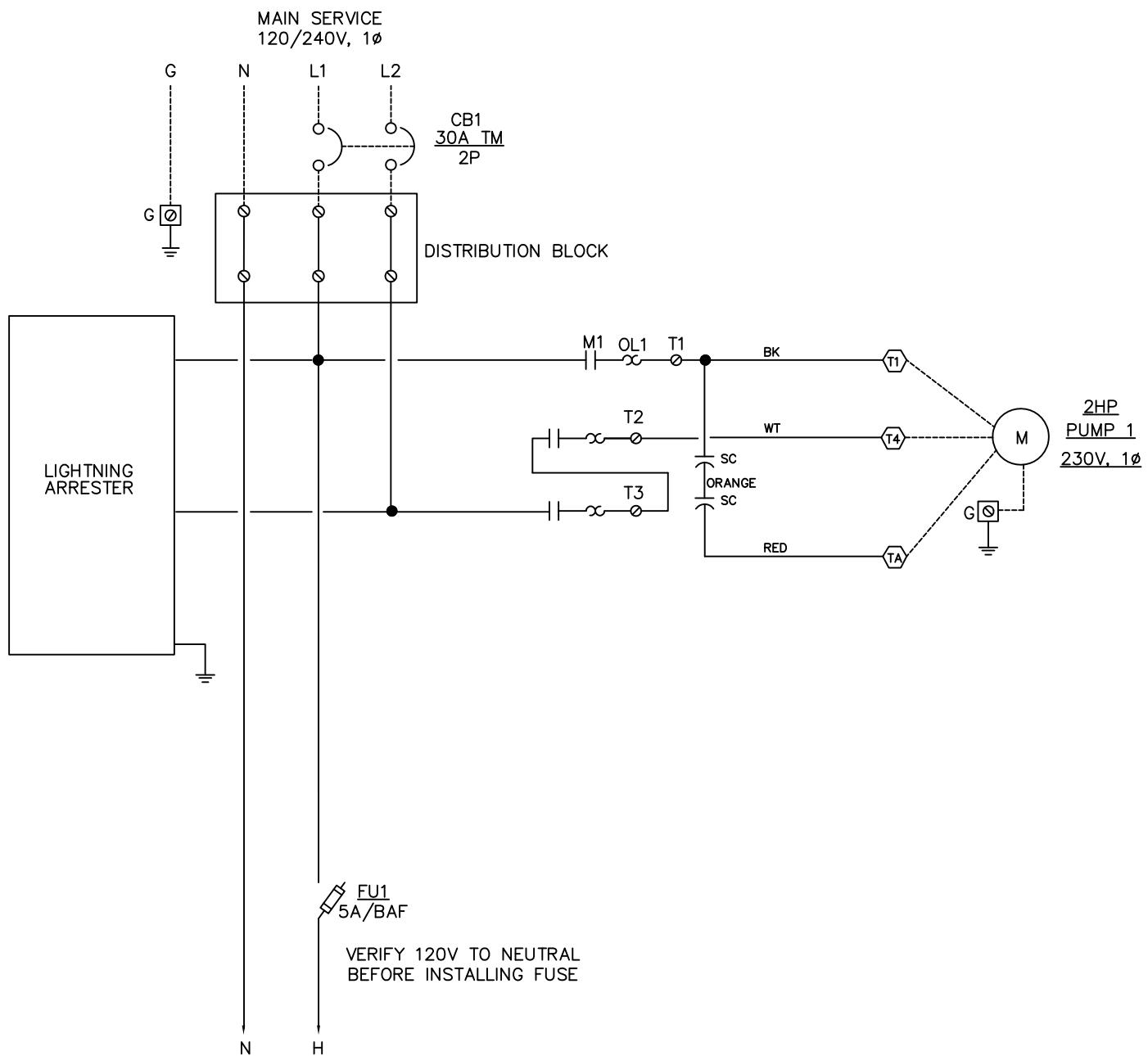
OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	X	(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
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		

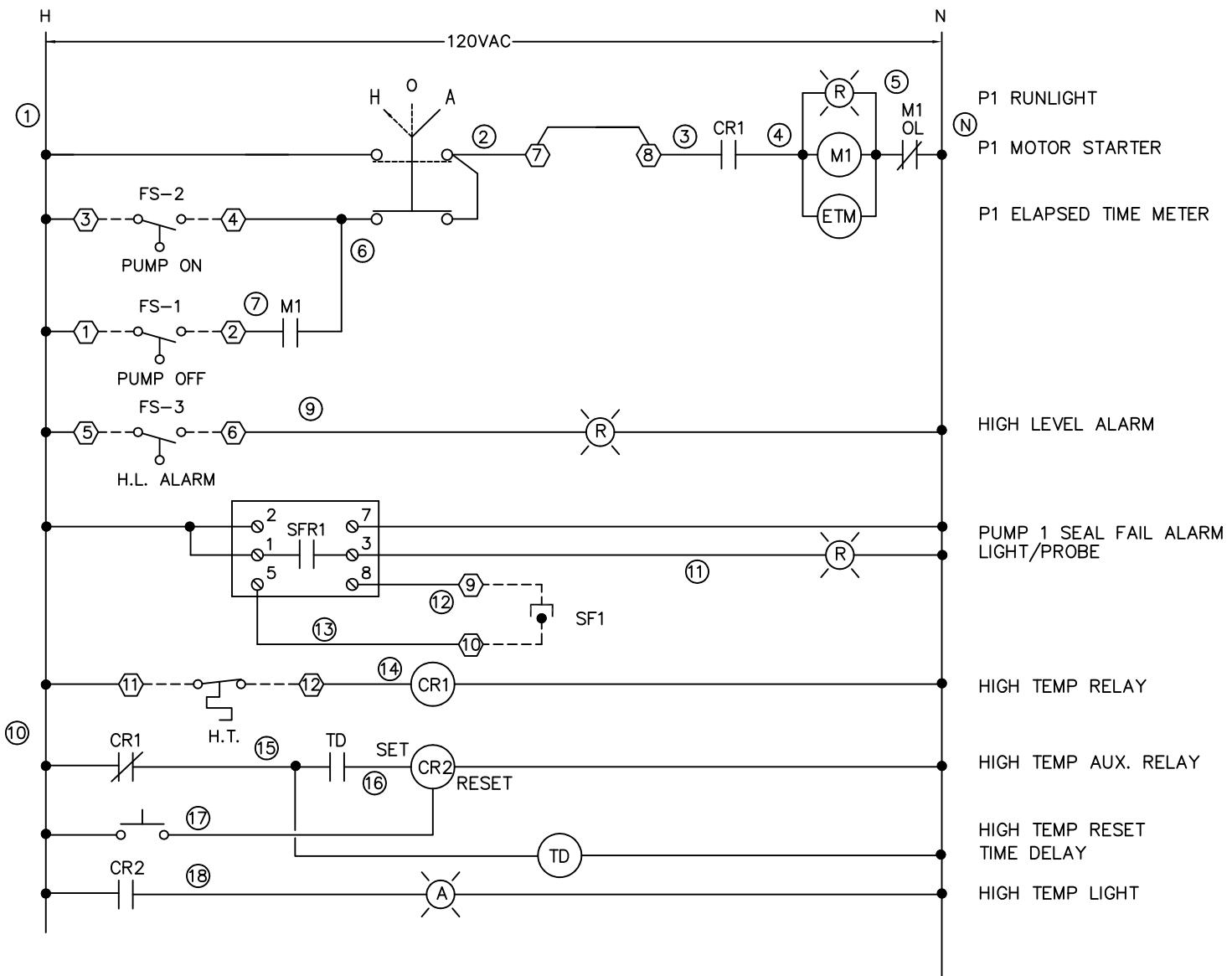
SOLD TO: Delta Process - Bossier City, LA
TAG : Amiss Silo Sump Pump

SHIP TO: Delta Process - Ruston, LA

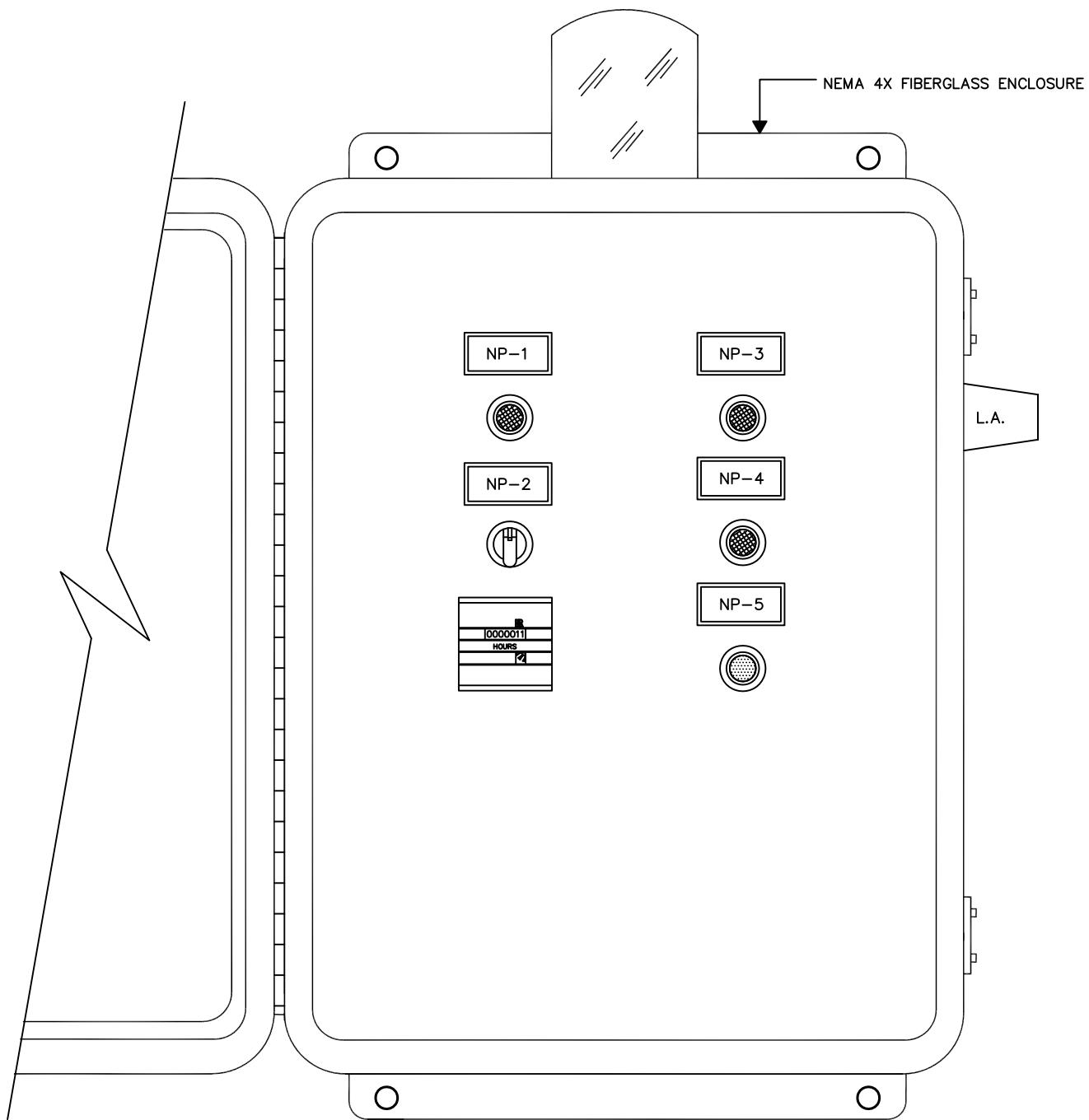
	Drawing Title	PANEL DESCRIPTION		REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE	BY
						S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED
DATE 10/27/04									BY C. RACHAL	BY DATE
	Project Title			COX		P.O. Box 77808 Baton Rouge, LA 70809			PURCHASE ORDER NUMBER	
				Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030			DRAWING NUMBER	CP-1938
									SHEET NUMBER	1



	Drawing Title POWER DIAGRAM				
DATE 10/27/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN	DATE BY
			BY C. RACHAL	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-1938 SHEET NUMBER 2	



	Drawing Title CONTROL DIAGRAM				
DATE 10/27/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN	DATE BY
			BY C. RACHAL	BY	APPROVED 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-1938 SHEET NUMBER 3	



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP RUN
NP-2	HOA
NP-3	SEAL FAIL
NP-4	HIGH TEMP
NP-5	HIGH TEMP RESET

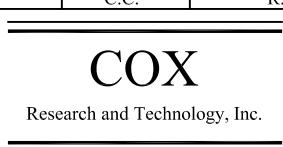
NOTE:

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

	Drawing Title					
	ENCLOSURE					
	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 10/27/04	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
	C.C.		R.C.	BY C. RACHAL	BY	DATE
	Project Title	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <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-1938	
					SHEET NUMBER 4	

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816L	BACKPLATE
2	1	ABB	A16-30-10-84	MOTOR STARTER
3	1	ABB	TA25DU19	O.L. RELAY (14-19A)
4	1	SQUARE D	QOU230	CB1
5	1	ACI	JR22FR	RED PILOT LIGHT
6	1	ACI	JR22P3M20B	HOA SWITCH
7	1	MARATHON	1323580	DISTRIBUTION BLOCK
8	1	ACI	JR22FA	YELLOW PILOT LIGHT
9	1	ACI	JR22AN11B	PUSH BUTTON
10	1	DELTA	LA302R	LIGHTNING ARRESTER
11	1	REDINGTON	711-0190	ELAPSED TIME METER
12	1	AC/DC	BL5-R-120	ALARM LIGHT
13	1	SSAC	LLC54-AA	SEAL FAIL RELAY
14	1	IDECK	RU2SA110	CR1
15	1	MAGNECRAFT	W388AMLCPX-9	CR2
16	1	OMRON	H3YN2AC120	TIME DELAY
17				
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24				
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	Drawing Title									
	BILL OF MATERIALS									
			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 10/27/04			S/N	Sales Engineer	Application Engineer	DRAWN			APPROVED	
				C.C.	R.C.	BY C.RACHAL	BY	DATE		
	Project Title		 COX Research and Technology, Inc.			PURCHASE ORDER NUMBER P.O. Box 77808 Baton Rouge, LA 70809 DRAWING NUMBER CP-1938 SHEET NUMBER 5				
	SIMPLEX PUMP CONTROL PANEL									