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# COX

Research and Technology, Inc.

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## 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	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	1	
HP	7.5	
FLA	11	
TYPE OF PUMP		(Self-Priming, Submersible)
MANUFACTURER		
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	Floats	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

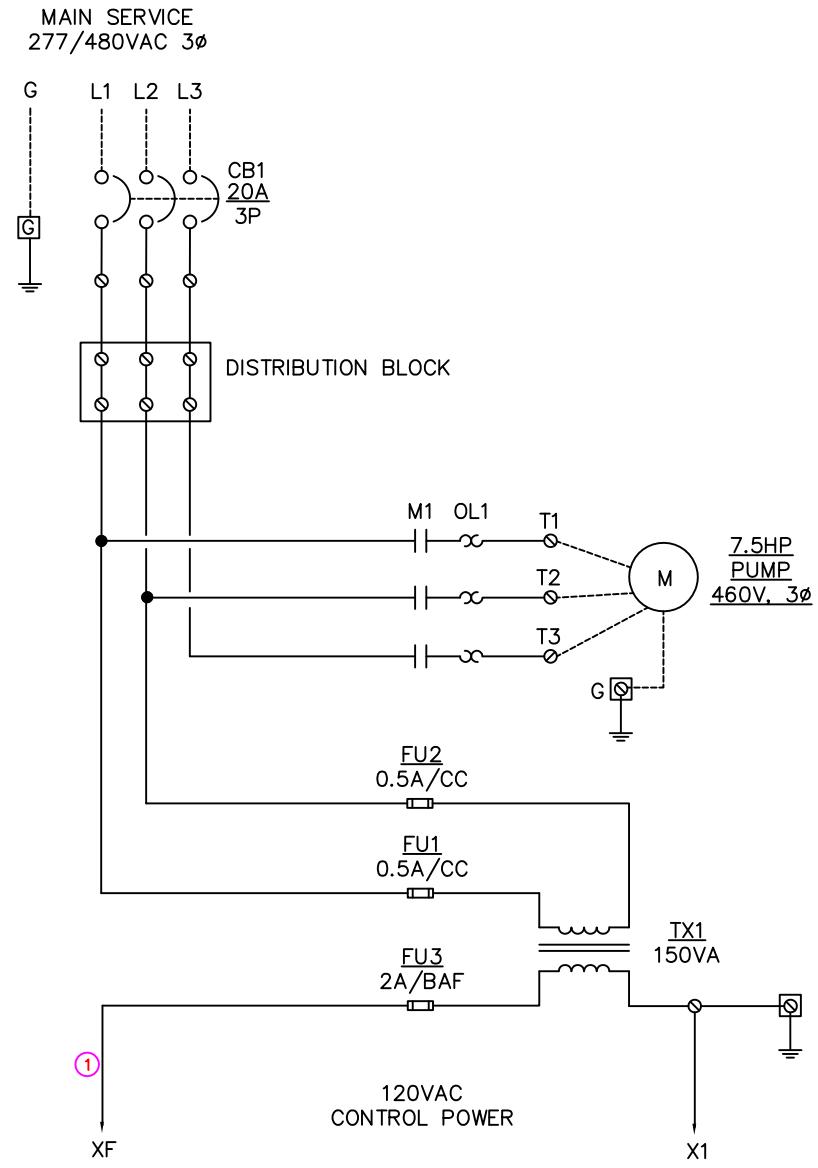
OPTIONS:

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

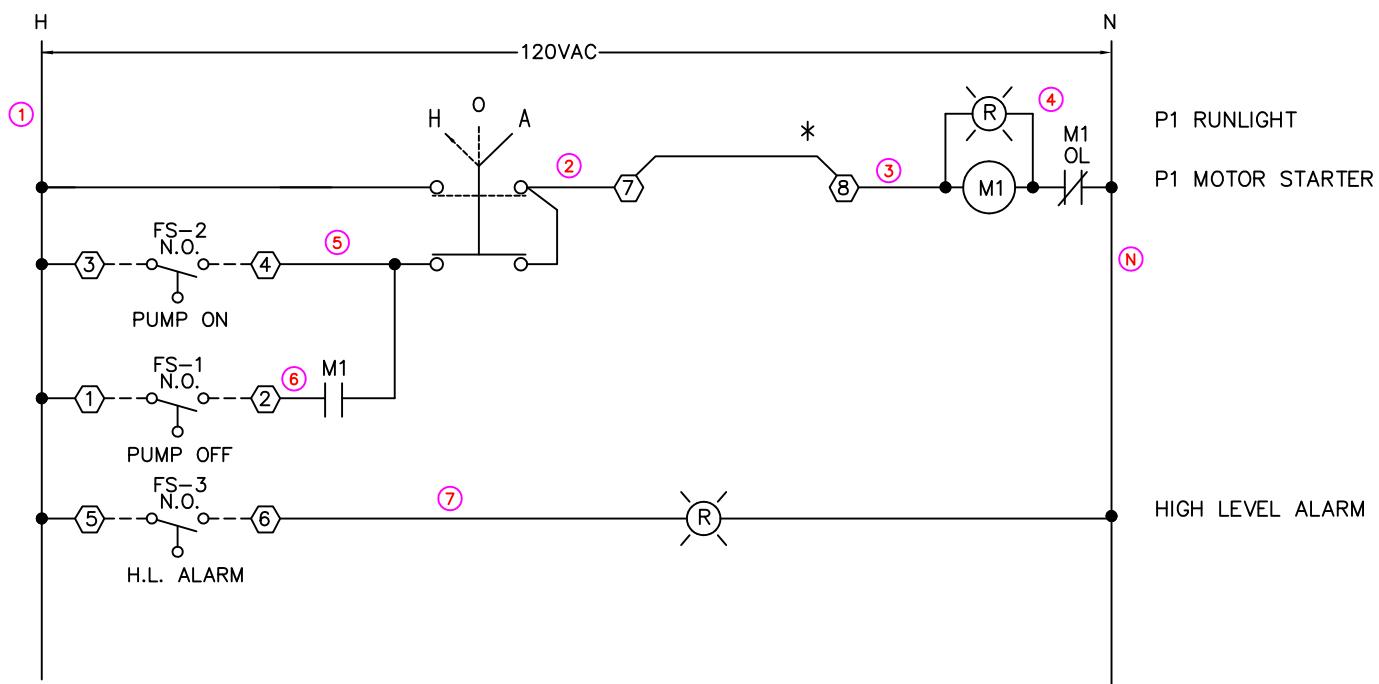
SOLD TO: Summit Electric  
TAG : \_\_\_\_\_  
\_\_\_\_\_

SHIP TO: Summit Electric  
\_\_\_\_\_

	Drawing Title  <b>PANEL DESCRIPTION</b>					
DATE 5/03/06		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY DATE
	Project Title  <b>SIMPLEX PUMP CONTROL PANEL</b>		<b>COX</b> 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-2378  SHEET NUMBER 1	

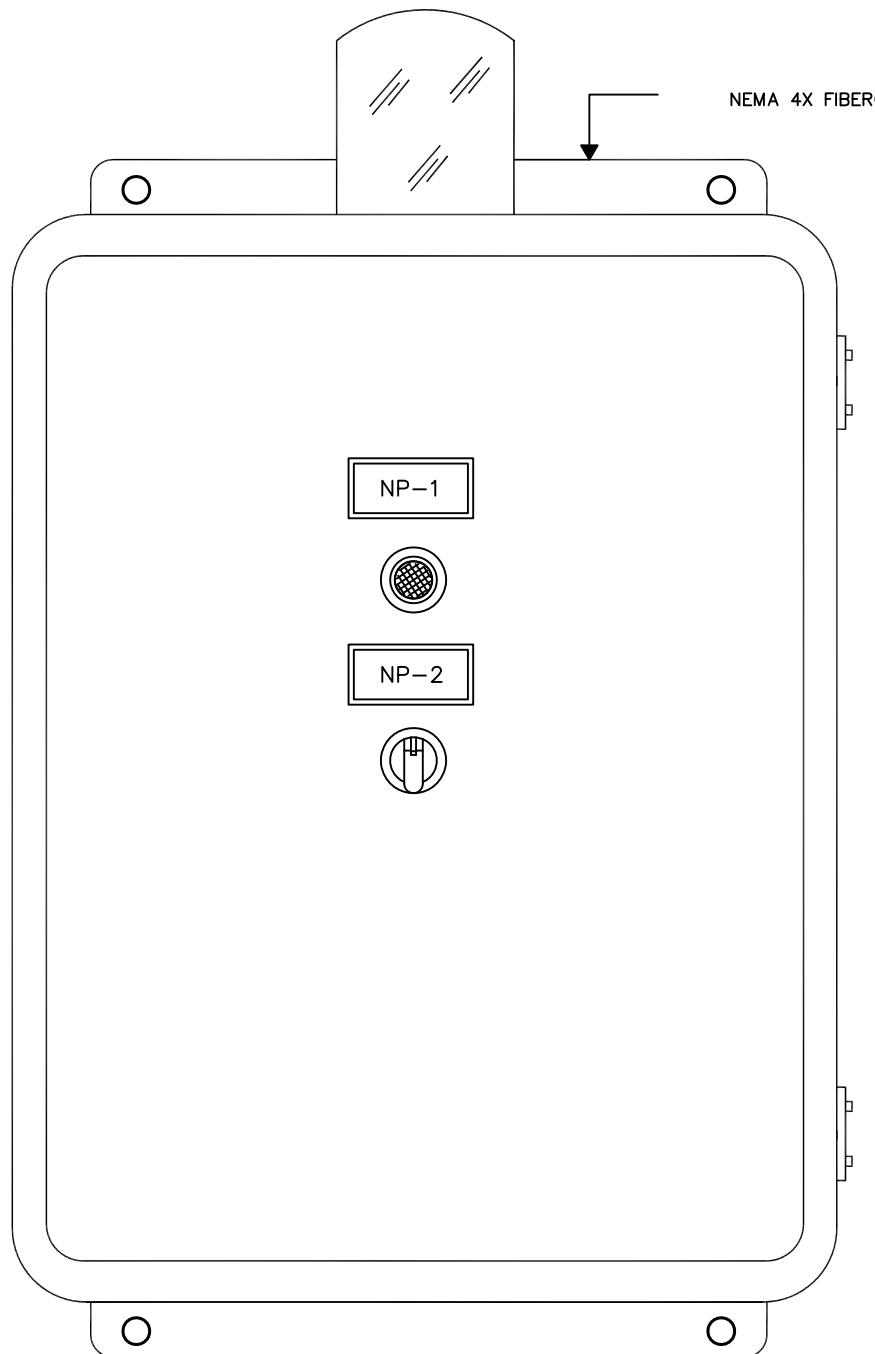


	Drawing Title  <b>POWER DIAGRAM</b>			
DATE 5/03/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE
	Project Title  <b>SIMPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2378 SHEET NUMBER 2



\* Remove Jumper And Install Lockout Device If Required

	Drawing Title  CONTROL DIAGRAM  DATE 5/03/06									
	Project Title  SIMPLEX PUMP CONTROL PANEL	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY DATE				
					P.O. Box 77808 Baton Rouge, LA 70809			PURCHASE ORDER NUMBER		
		<b>COX</b> Research and Technology, Inc.						DRAWING NUMBER CP-2378		
					Ph. (225)756-3271 Fax (225)756-1030			SHEET NUMBER 3		



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

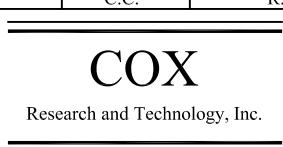
NOTE:  
SEWER GASES WILL DESTROY COMPONENTS IN PANEL.  
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE  
PANEL TO PREVENT ENTRY OF GASES.

DATE 5/03/06	NP-1      PUMP RUN
	NP-2      HOA

	Drawing Title  ENCLOSURE	REFERENCE DRAWING			NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
		S/N	Sales Engineer	Application Engineer R.C.				
	Project Title  SIMPLEX PUMP CONTROL PANEL					P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
						Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-2378
								SHEET NUMBER 4

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1614HPL	ENCLOSURE
1a	1	STAHLIN	BP1614AL	BACKPLATE
2	1	ABB	A16-30-10-84	MOTOR STARTER
3	1	ABB	TA25DU14	O.L. RELAY (10-14A)
4	1	ABB	T1NO20TL	CB1
5	1	ACI	JR22FR	RED PILOT LIGHT
6	1	ACI	JR22P3M20B	HOA SWITCH
7	1	ABB	T4150PSF1	TRANSFORMER
8	1	MARATHON	1323580	DISTRIBUTION BLOCK
9	1	INGRAM	MX-15	ALARM LIGHT
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11				
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	Drawing Title							
	BILL OF MATERIALS							
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 5/03/06			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
			C.C.		R.C.	BY C.RACHAL	BY	DATE
	Project Title		 <b>COX</b> Research and Technology, Inc. 		PURCHASE ORDER NUMBER			
	SIMPLEX PUMP CONTROL PANEL				DRAWING NUMBER			
					CP-2378			
					SHEET NUMBER			
					5			