
COX

Research and Technology, Inc.

IRRIGATION MART

TRIPLEX PUMP
CONTROL PANEL

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

CP-1919

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>3</u>	
HP	<u>25,40,40</u>	
FLA	<u>34,52</u>	
TYPE OF PUMP	<u>Above Ground</u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 3R</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Painted Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Start Stop PB</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	


OPTIONS:

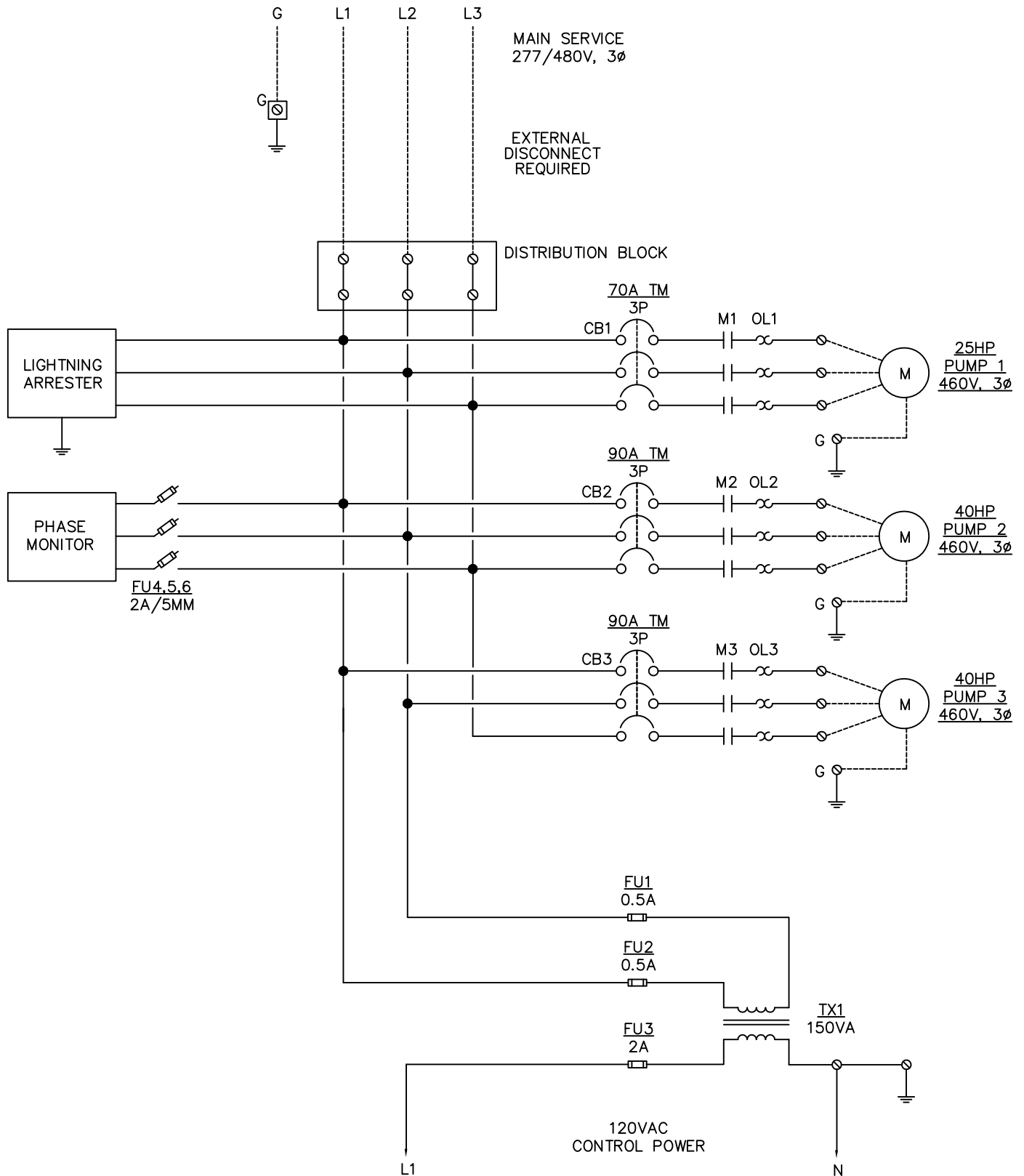
SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u></u>	(Self-Primer, Submersible)
ALARM HORN	<u></u>	
ALARM LIGHT	<u></u>	
LIGHT PANEL MTD	<u></u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u>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

SOLD TO: Irrigation Mart

TAG :

SHIP TO:

	Drawing Title						
	PANEL DESCRIPTION						
DATE 10/06/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	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
	TRIPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1919
							SHEET NUMBER 1



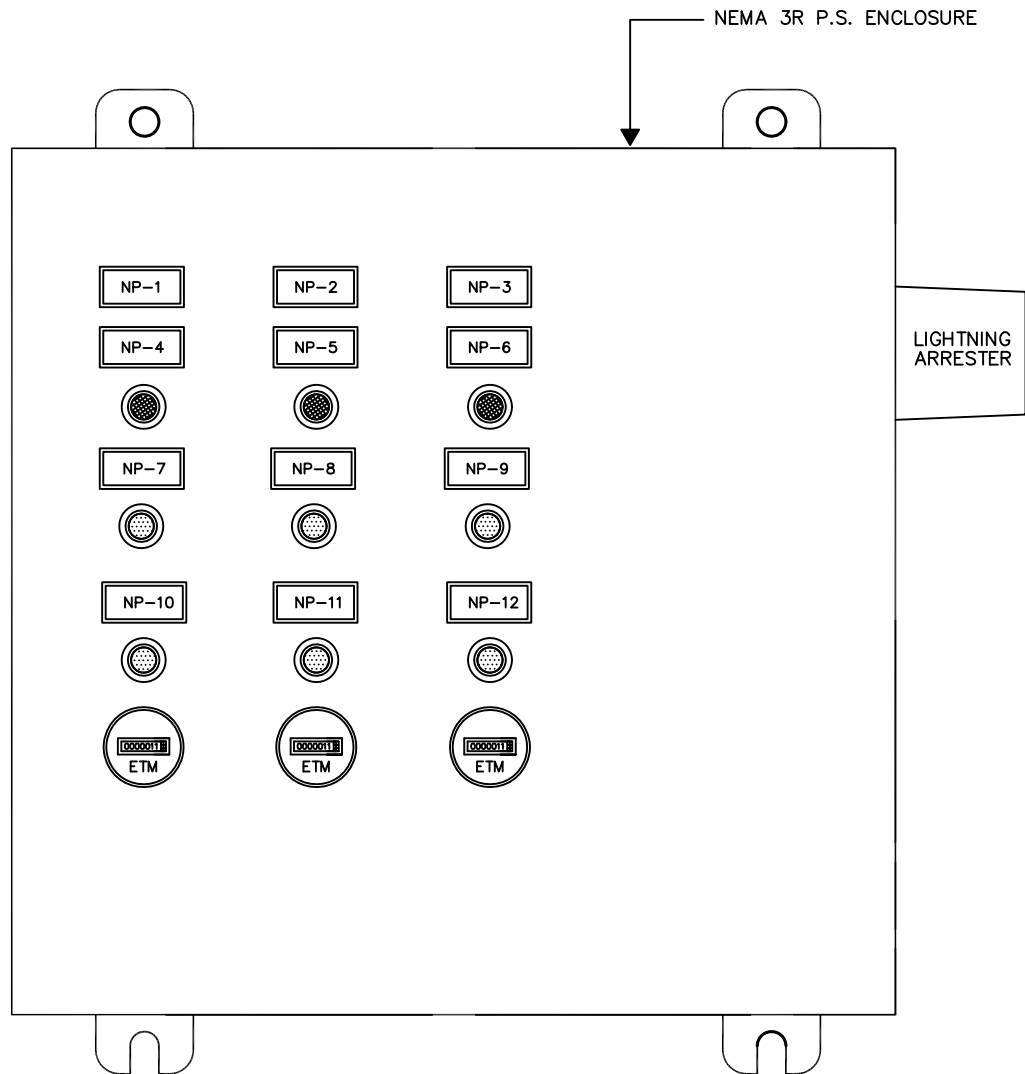
	Drawing Title								
	POWER DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
10/06/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED			
	Project Title							PURCHASE ORDER NUMBER	
	TRIPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1919	
								SHEET NUMBER	2

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FRONT VIEW

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 1
NP-2	PUMP 2
NP-3	PUMP 3
NP-4	RUN
NP-5	RUN
NP-6	RUN
NP-7	START
NP-8	START
NP-9	START
NP-10	STOP
NP-11	STOP
NP-12	STOP

	Drawing Title							
	ENCLOSURE							
DATE 10/06/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title	DRAWN BY C. RACHAL			APPROVED BY DATE			
	TRIPLEX PUMP CONTROL PANEL	PURCHASE ORDER NUMBER						
		DRAWING NUMBER CP-1919						
		SHEET NUMBER 4						

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BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	24248REPL	ENCLOSURE
1a	1	EBE	2424P	BACKPLATE
2	2	ABB	A50-30-11-84	MOTOR STARTER
3	2	ABB	TA75DU63	O.L. RELAY (45-63A)
4	1	ABB	S1N070TL	CB1
5	2	ABB	S1N090TL	CB2, CB3
6	3	ACI	JR22FR	RED PILOT LIGHT
7	3	ACI	JR22AN11R	PUSH BUTTON RED
8	1	ABB	T4150PSF1	TRANSFORMER
9	3	ACI	JR22AN11G	PUSH BUTTON GREEN
10	1	DELTA	LA603	LIGHTNING ARRESTER
11	1	SSAC	PLMU-11	PHASE MONITOR
12	3	MCMaster	1672T22	ELAPSED TIME METER
13	1	ABB	TA42DU42	O.L. RELAY (29-42A)
14	1	ABB	A30-30-10-84	MOTOR STARTER
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	<h3 style="margin: 0;">BILL OF MATERIALS</h3>						
DATE 10/06/04		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	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <h2 style="margin: 0;">COX</h2> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1919 SHEET NUMBER 5
	TRIPLEX PUMP CONTROL PANEL						