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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
PHASE/HZ	3/60
NO. MOTORS	1
HP	25HP - 34FLA
TYPE OF PUMP	S.P.

CONTROL VOLTAGE	120V
ENCLOSURE	NEMA 3R
ENCLOSURE MATERIAL	PAINTED STEEL
CONTROL SENSOR	START/STOP P.B.

## OPTIONS:

SEAL FAIL LIGHT \_\_\_\_\_  
HT PUMP SHUTDOWN \_\_\_\_\_  
ALARM HORN X  
ALARM LIGHT X  
ALARM PANEL MTD X  
ALARM REMOTE MTD \_\_\_\_\_  
ALARM FLASHER \_\_\_\_\_

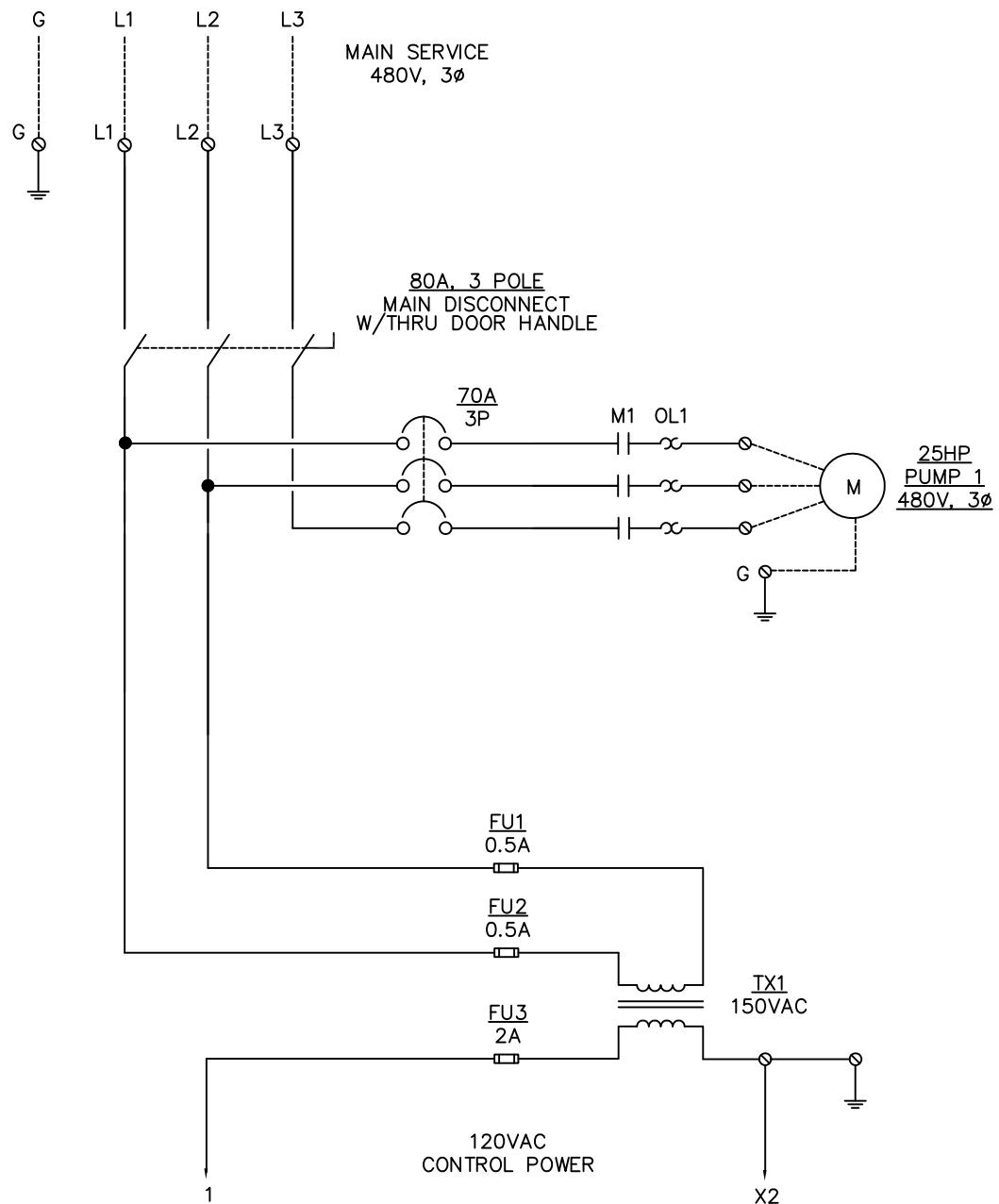
SOLD TO: IRRIGATION MART

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SHIP TO: IRRIGATION MART

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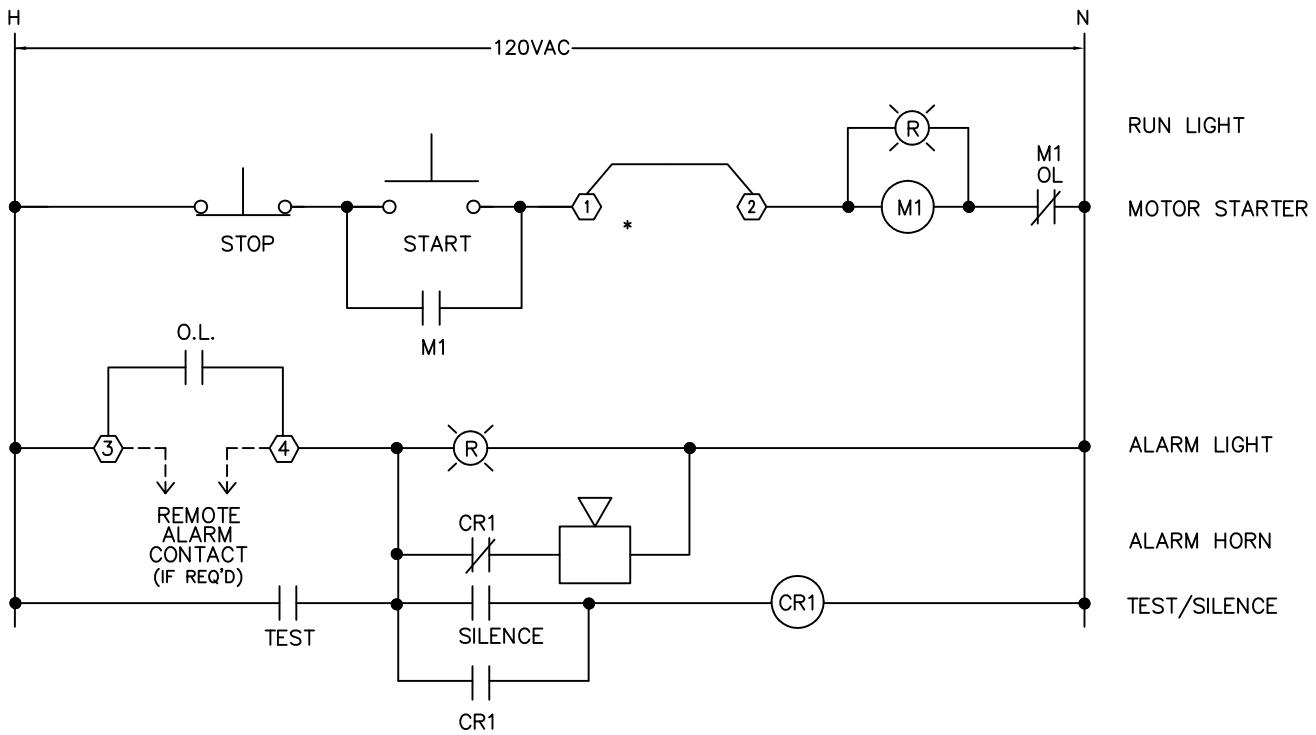
Revision Information		Drawing Title  POWER DIAGRAM	REFERENCE DRAWING			NO.		Revision-Location		ECN	Date	By
Date	Time		S/N	Sales Engineer	C.C.	Application Engineer	R.C.	Drawn By	CTR Date	Approved By	Date	By
8/27/02		Project Title / Tag  SIMPLEX PUMP CONTROL PANEL										

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Purchase Order  
Number  
CP-1452

Sheet Number  
2



\* REMOVE JUMPER & INSTALL  
LOCKOUT DEVICES IF REQUIRED

LEGEND

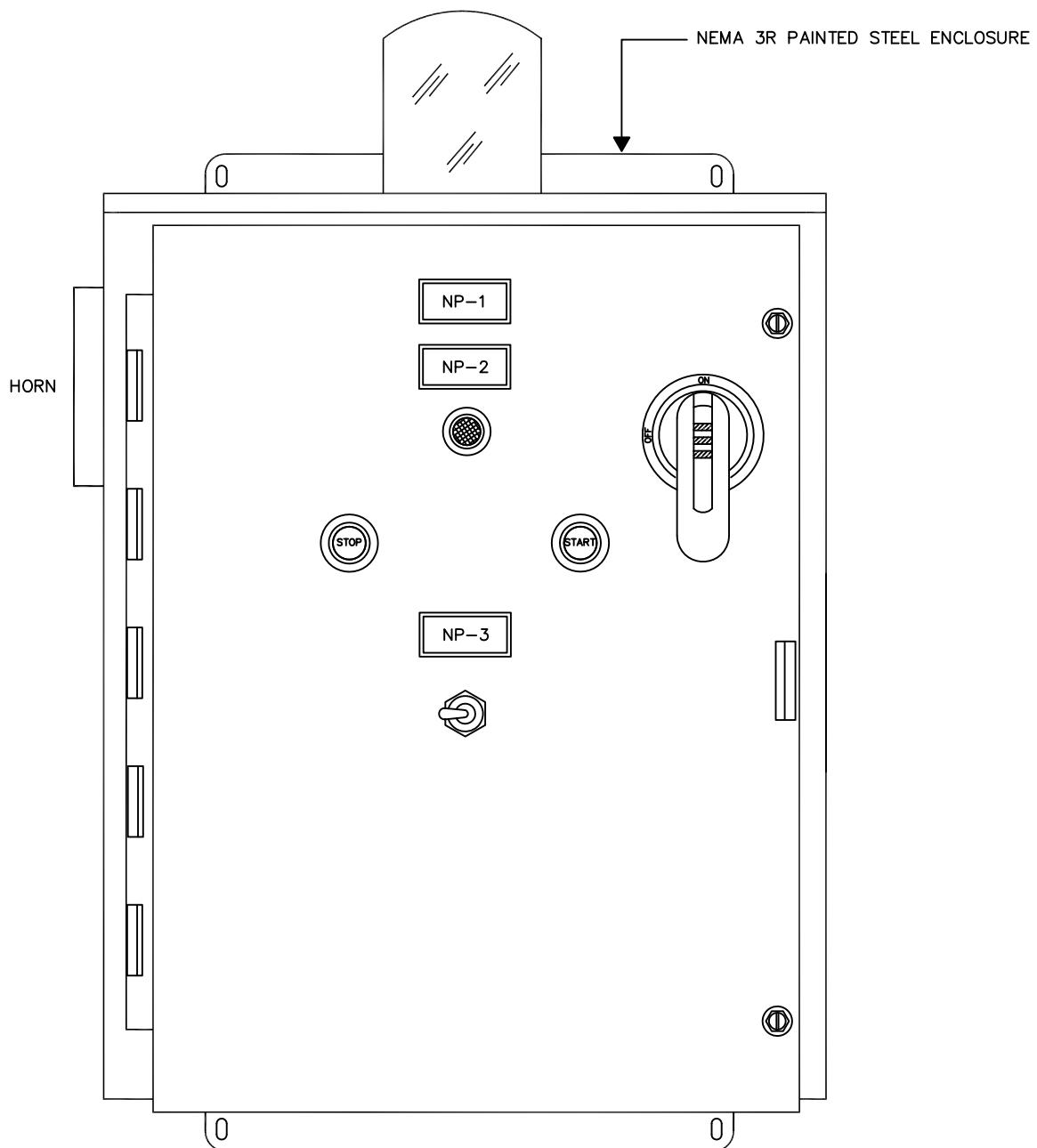
	PANEL TERMINAL
—	WIRING BY VENDOR
- - -	WIRING BY CUSTOMER

Drawing Title		REFERENCE DRAWING						Revision-Location		ECN	Date	By
Revision Information		S/N	Sales Engineer	C.C.	Application Engineer	R.C.	Drawn By	CTR	Approved By	Date		
Date 8/02/02												
Time	Project Title / Tag											
	SIMPLEX PUMP CONTROL PANEL											
File Name												

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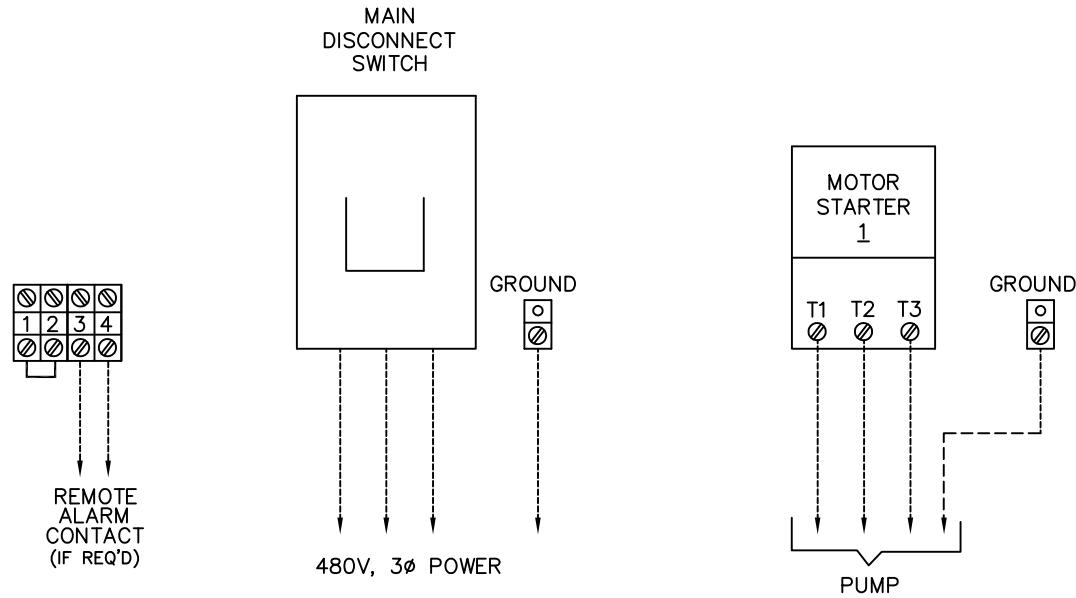
VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

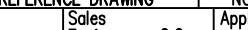
NP-1	PUMP
NP-2	RUN
NP-3	HORN/TEST-SILENCE

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

	Drawing Title  <b>ENCLOSURE</b>								
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 8/02/02	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR		APPROVED BY			
	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-1452  SHEET NUMBER 4			



REMOVE JUMPER & INSTALL  
LOCKOUT DEVICES IF REQUIRED

Revision Information	Drawing Title							
	EXTERNAL CONNECTIONS							
Date 8/02/02		REFERENCE DRAWING	NO.	Revision-Location		ECN	Date	By
S/N		Sales Engineer C.C.	Application Engineer R.C.	Drawn By	Approved By			
		CTR	Date	CTR	Date			
Time	Project Title / Tag	 <b>COX</b> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, La. 70879 Ph. (225) 756-3271 Fax (225) 755-1030	Purchase Order Number	CP-1452	
File Name CONTROL1.DWG	SIMPLEX PUMP CONTROL PANEL					Sheet Number	5	

# BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	B-LINE	24208RHC	ENCLOSURE
2	1	B-LINE	N2420P	BACKPLATE
3	1	ABB	A40-30-10-84	STARTER
4	1	ABB	TA42DU42	O.L. (29-42A)
5	1	ABB	S1N070TL	CIRCUIT BREAKER 1
6	1	SQUARE D	TF150D1	CONTROL TRANSFORMER
7	2	BUSSMAN	FNQ-R5/10	FUSE-0.5A
8	1	BUSSMAN	BAF-2	FUSE-2.0A
9	1	ACI	JR22AN11G/START	START P.B.
10	1	ACI	JR22BN11R/STOP	STOP P.B.
11	1	ACI	JR22FR	RED LIGHT
12	1	AC/DC	BL5R-120	ALARM LIGHT
13	1	ABB	OT63E3	80A DISCONNECT
14	1	EDWARDS	870P-N5	HORN
15	1	OMRON	1SAC120	CR1
16	1	ABB	OHB65L5	HANDLE
17	1	ABB	OXP5X265	SHAFT

Drawing Title									
BILL OF MATERIALS									
REFERENCE DRAWING		NO.		Revision-Location		ECN		Date	
S/N		Sales Engineer		Application C.C.		Drawn R.C.		Approved By CTR Date	
Time		Project Title / Tag		COX		Purchase Order Number CP-1452			
		SIMPLEX PUMP CONTROL PANEL		Research and Technology, Inc.		Sheet Number 6			
File Name CONTROL1.DWG									