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# **COX**

Research and Technology, Inc.

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## SLUDGE PUMPS CONTROL PANEL

ST. GABRIEL

Note: The drawings indicate the panel manufactures interpretations of the plans, specifications and addenda. Contractor and Engineer should review carefully to verify that these interpretations are correct. Any changes after approvals will be done at extra cost.

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

VOLTAGE	120
PHASE/HZ	1/60
NO. MOTORS	2
HP	N/A
TYPE OF PUMP	SELF PRIMING
	GR

CONTROL VOLTAGE	120V
ENCLOSURE	NEMA 3R
ENCLOSURE MATERIAL	PAINTED STEEL
CONTROL SENSOR	TIMER

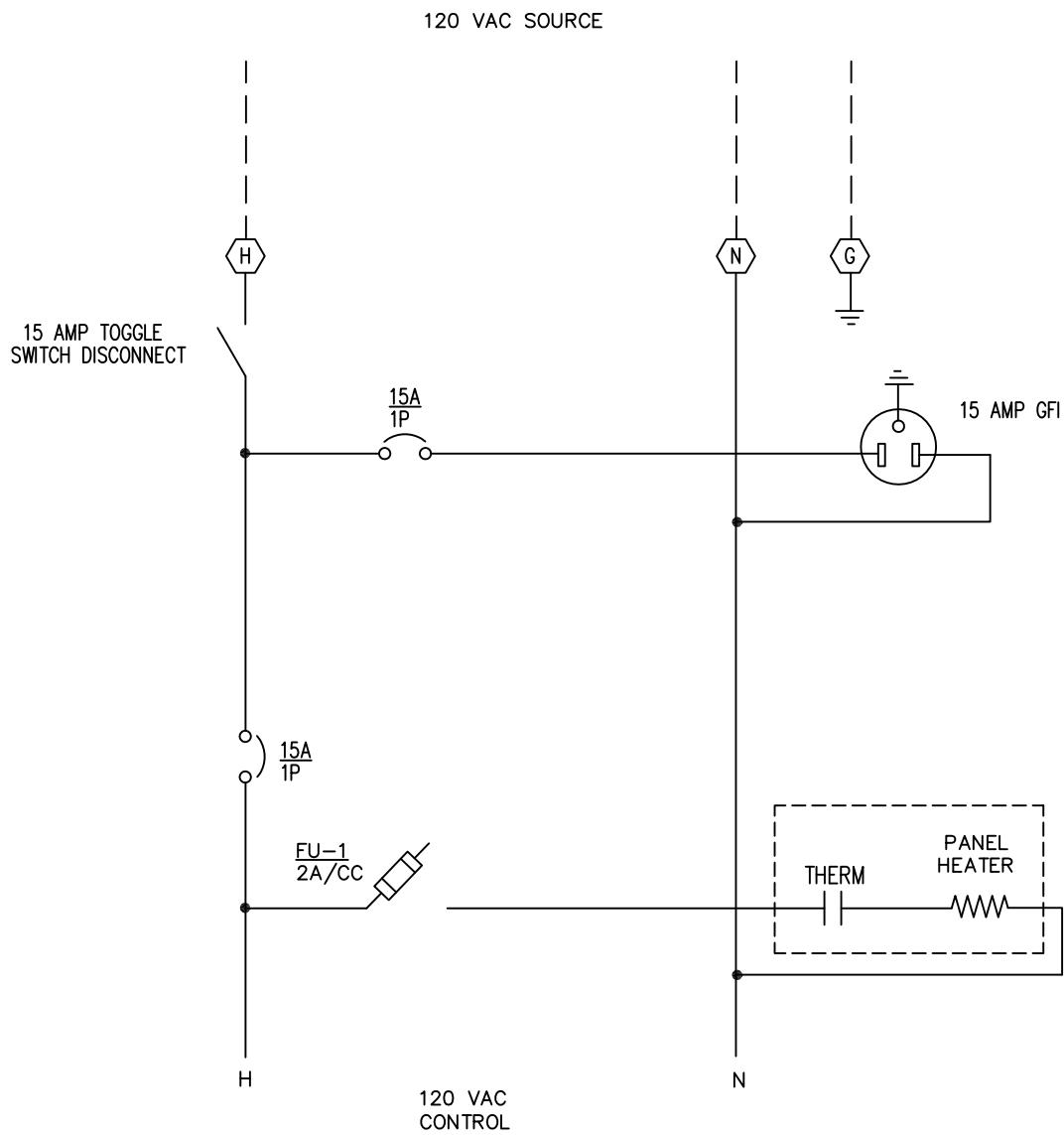
OPTIONS:

NO FLOW SHUTDOWN	YES
HT PUMP SHUTDOWN	YES
ALARM LIGHT	YES
REMOTE MTD	YES
HIGH WATER ALARM	NO
LOW LEVEL LOCKOUT	NO

SOLD TO: DELTA PROCESS EQUIPMENT INC.  
DENHAM SPRINGS, LA.

SHIP TO: SAME

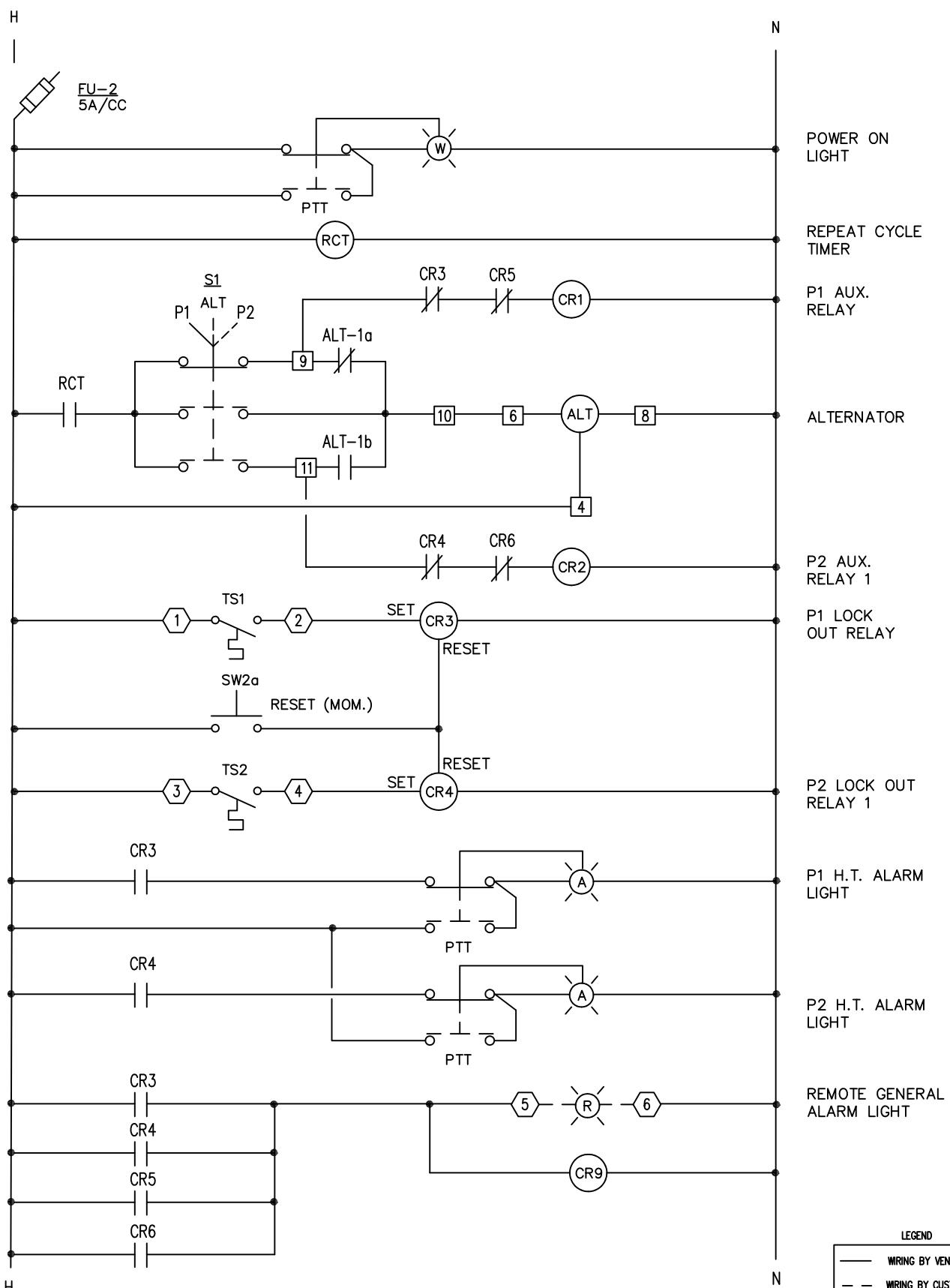
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Date	1/15/01		REFERENCE DRAWING	NO.	Revision-Location	ECN	Date	By				
Time	09:14 AM		S/N 1213	Sales Engineer C.C.	Application Engineer R.C.	Drawn By C.C.	Approved Date 1/15/01	By Date	Purchase Order Number			
File Name	CONTROL1.DWG	Project Title / Tag	 COX			P.O. Box 77808 Baton Rouge, La. 70879 Ph. (225) 756-3271 Fax (225) 755-1030			Sheet Number	1		



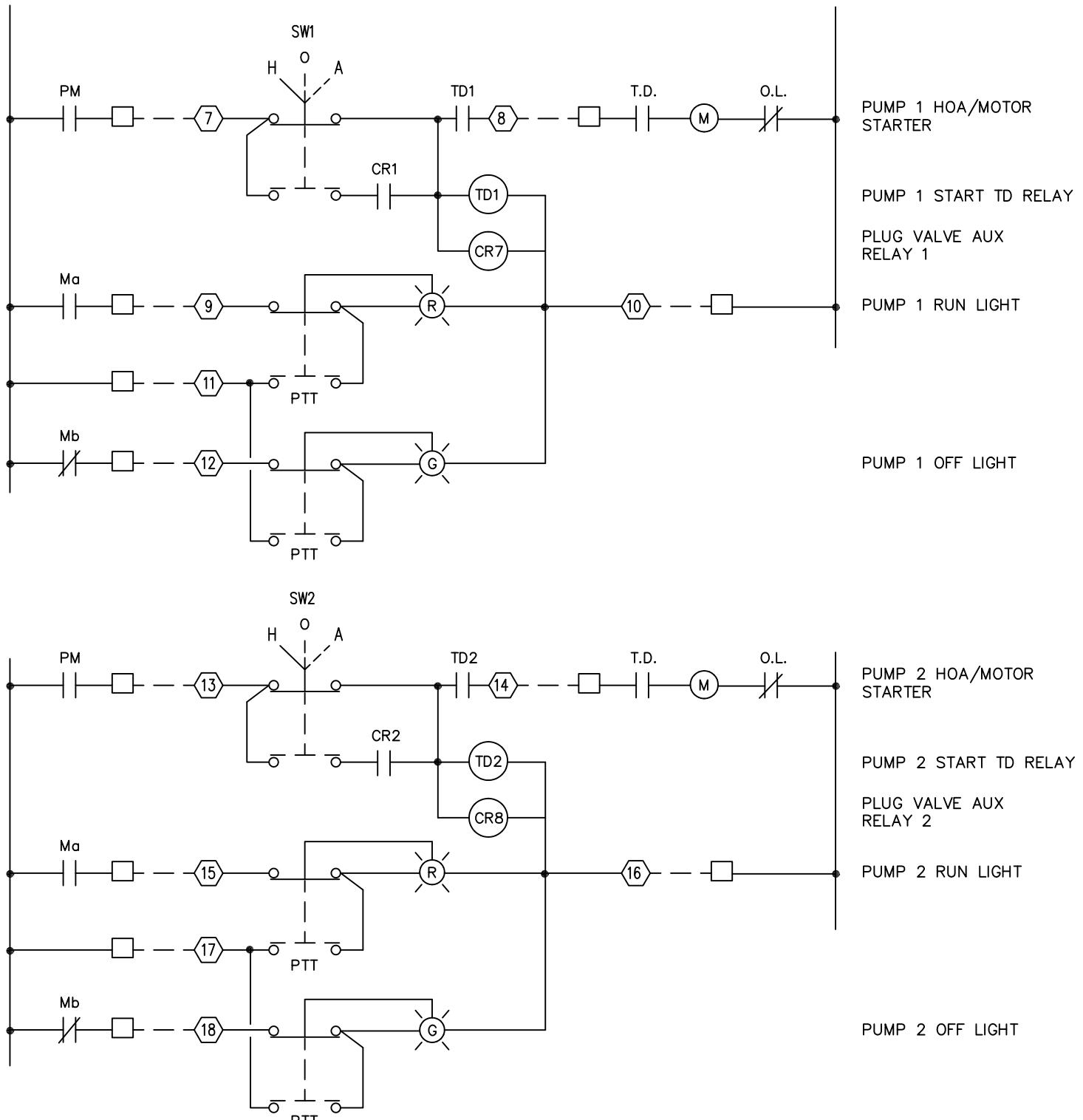
LEGEND

—	WIRING BY VENDOR
--	WIRING BY CUSTOMER

Revision Information	Drawing Title					
	POWER DIAGRAM					
Date 1/15/01		REFERENCE DRAWING	NO.	Revision-Location	ECN	Date
		S/N 1213	Sales Engineer C.C.	Application Engineer R.C.	Drawn By C.C. Date 1/15/01	Approved By Date
Time 09:14 AM	Project Title / Tag	<hr/> <b>COX</b> Research and Technology, Inc. <hr/>			Purchase Order Number	
	ST. GABRIEL				Sheet Number	2
File Name CONTROL1.DWG						



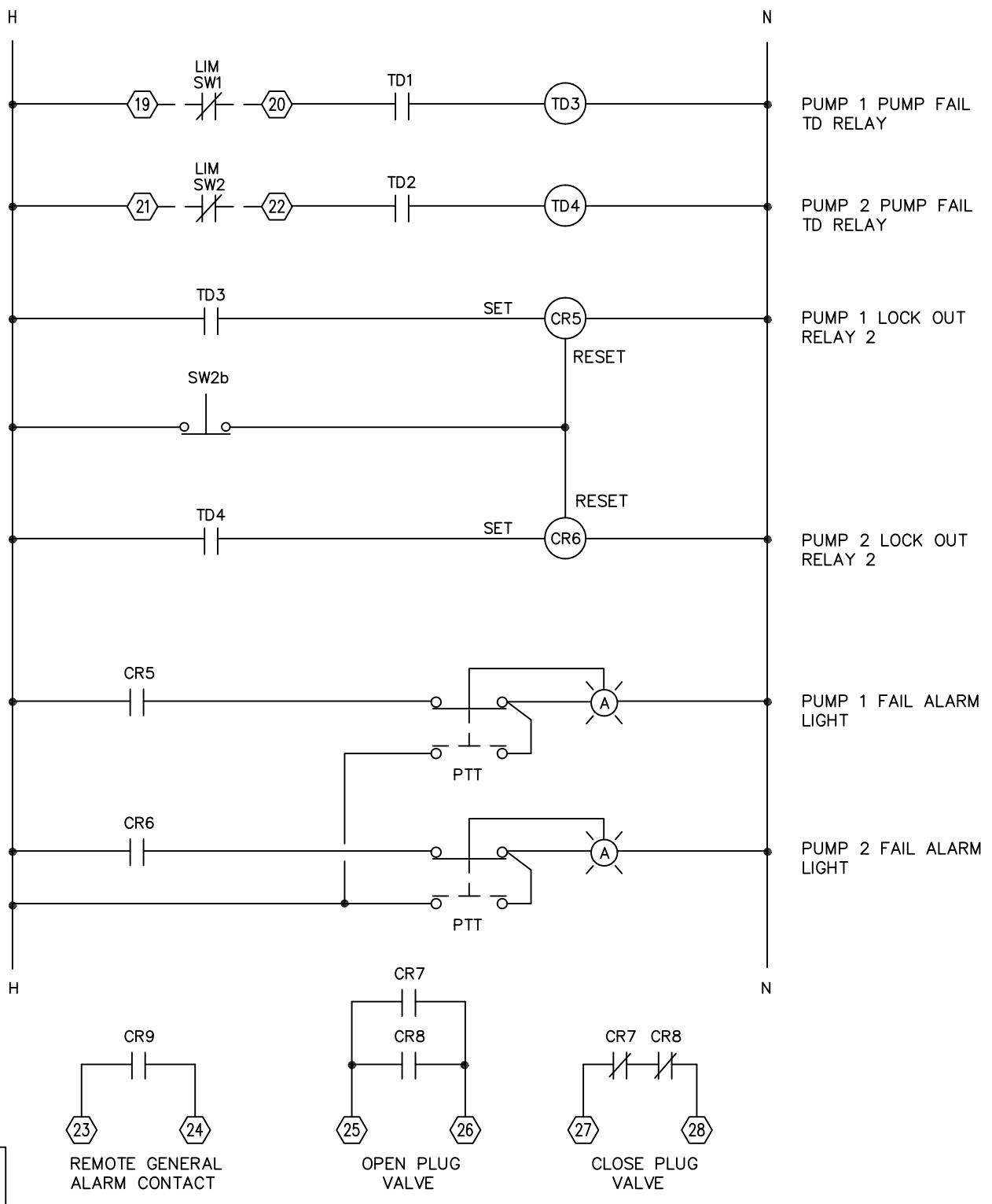
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Date	Time		REFERENCE DRAWING	NO.	Revision-Location		ECN	Date	By	
1/15/01	09:14 AM	S/N 1213	Sales Engineer	C.C.	Application Engineer	Drawn R.C.	Approved By C.C.	Date 1/15/01	By	Date
File Name CONTROL1.DWG	Project Title / Tag  ST. GABRIEL	<b>COX</b> Research and Technology, Inc.					P.O. Box 77808 Baton Rouge, La. 70879 Ph. (225) 756-3271 Fax (225) 755-1030		Purchase Order Number	
							Sheet Number		3	



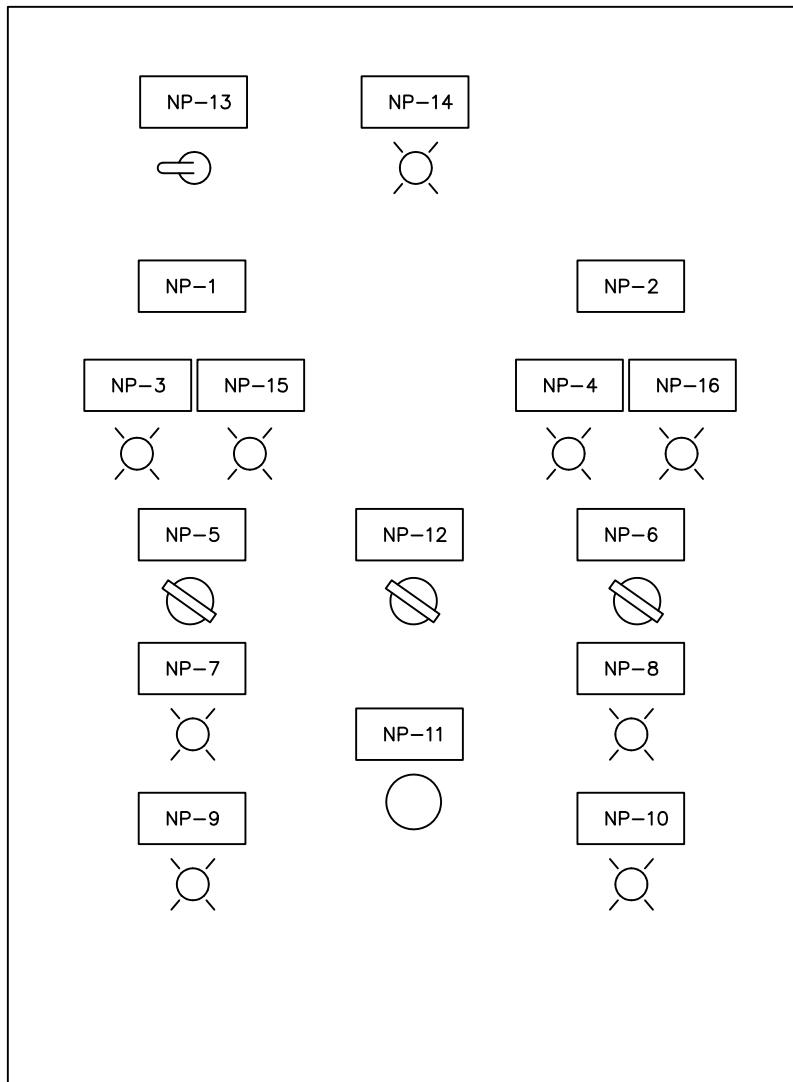
## LEGEND

— — WIRING BY VENDOR  
— — WIRING BY CUSTOMER

Revision Information	Drawing Title  CONTROL DIAGRAM								
Date 1/15/01		REFERENCE DRAWING		NO.	Revision-Location		ECN	Date	By
S/N 1213		Sales Engineer	C.C.	Application Engineer	R.C.	Drawn By C.C.	Approved By	1/15/01	Date
Time 09:14 AM	Project Title / Tag		<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc.			Purchase Order Number			
File Name CONTROL1.DWG	ST. GABRIEL					Sheet Number 4			

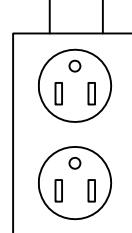


Revision Information		Drawing Title CONTROL DIAGRAM									
Date	Time		REFERENCE DRAWING		NO.	Revision-Location		ECN	Date	By	
1/15/01	09:14 AM	S/N	1213	Sales Engineer	C.C.	Application Engineer	R.C.	Drawn By C.C.	Approved Date	By Date	
File Name	Project Title / Tag	<hr/> <b>COX</b> Research and Technology, Inc. <hr/>					P.O. Box 77808 Baton Rouge, La. 70879 Ph. (225) 756-3271 Fax (225) 755-1030				
CONTROL1.DWG	ST. GABRIEL						Purchase Order Number Sheet Number				
							5				



## VIEW OF SWING OUT PANEL

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	OFF
NP-4	OFF
NP-5	HOA
NP-6	HOA
NP-7	HIGH TEMP ALARM
NP-8	HIGH TEMP ALARM
NP-9	NO FLOW ALARM
NP-10	NO FLOW ALARM
NP-11	RESET ALARMS
NP-12	P1-ALT-P2
NP-13	CONTROL POWER / OFF -ON
NP-14	CONTROL POWER
NP-15	ON
NP-16	ON



WEATHER PROOF  
DUPLEX GFI RECEPTICLE  
MOUNTED ON BOTTOM OF  
ENCLOSURE

TAG FOR OUTSIDE OF ENCLOSURE DOOR

**"CAUTION MULTIPLE POWER SOURCES—  
DISCONNECT CONTROL SOURCES IN REMOTE  
STARTERS AND PLUG VALVE OPERATOR  
BEFORE SERVICING"**

Revision Information	Drawing Title  ENCLOSURE							
Date 1/15/01		REFERENCE DRAWING S/N 1213	NO. Sales Engineer C.C.	Application Engineer R.C.	Revision-Location Drawn By C.C. Date 1/15/01	ECN Approved By By	Date	By
Time 09:14 AM	Project Title / Tag  ST. GABRIEL	<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  Sheet Number		
File Name CONTROL1.DWG						6		

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EB&E	24208RE	ENCLOSURE 24x20x8
2	1	EB&E	2420P	BACKPLATE
3	2	SQ. D	QOU115	CIRCUIT BREAKER
4	1	INTERMATIC	T1975BCR	TIMER
5	1	TIMEMARK	261DT120	ALTERNATOR
6	5	P&B	KRPA11AG120	CR1,2,7,8,9
7	4	P&B	KUL14A15S120	CR3,4,5,6
8	4	P&B	KRPA14AG120	TD1,2,3,4
9	2	ACI	JR22BL11R	PTT LIGHTS (R)
10	4	ACI	JR22BL11Y	PTT LIGHTS (A)
11	4	ACI	JR22BL11G	PTT LIGHTS (G)
12	3	ACI	JR22P3M20B	HOA SWITCH
13	1	ACI	JR22AN11B	P.B. SWITCH
14	1	APPLETON	REA-75,VGL-1RE	EXTERNAL ALARM LIGHT
15	1	INTERMATIC	IG1201LH	LIGHTNING ARRESTER
16	1	-	1DD08	HEATER

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