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# COX

Research and Technology, Inc.

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## TRIPLEX PUMP CONTROL PANEL PLAQUEMINE

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

CP-2288

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	3	
HP	10	
FLA	28	
TYPE OF PUMP	Submersible	
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR		(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

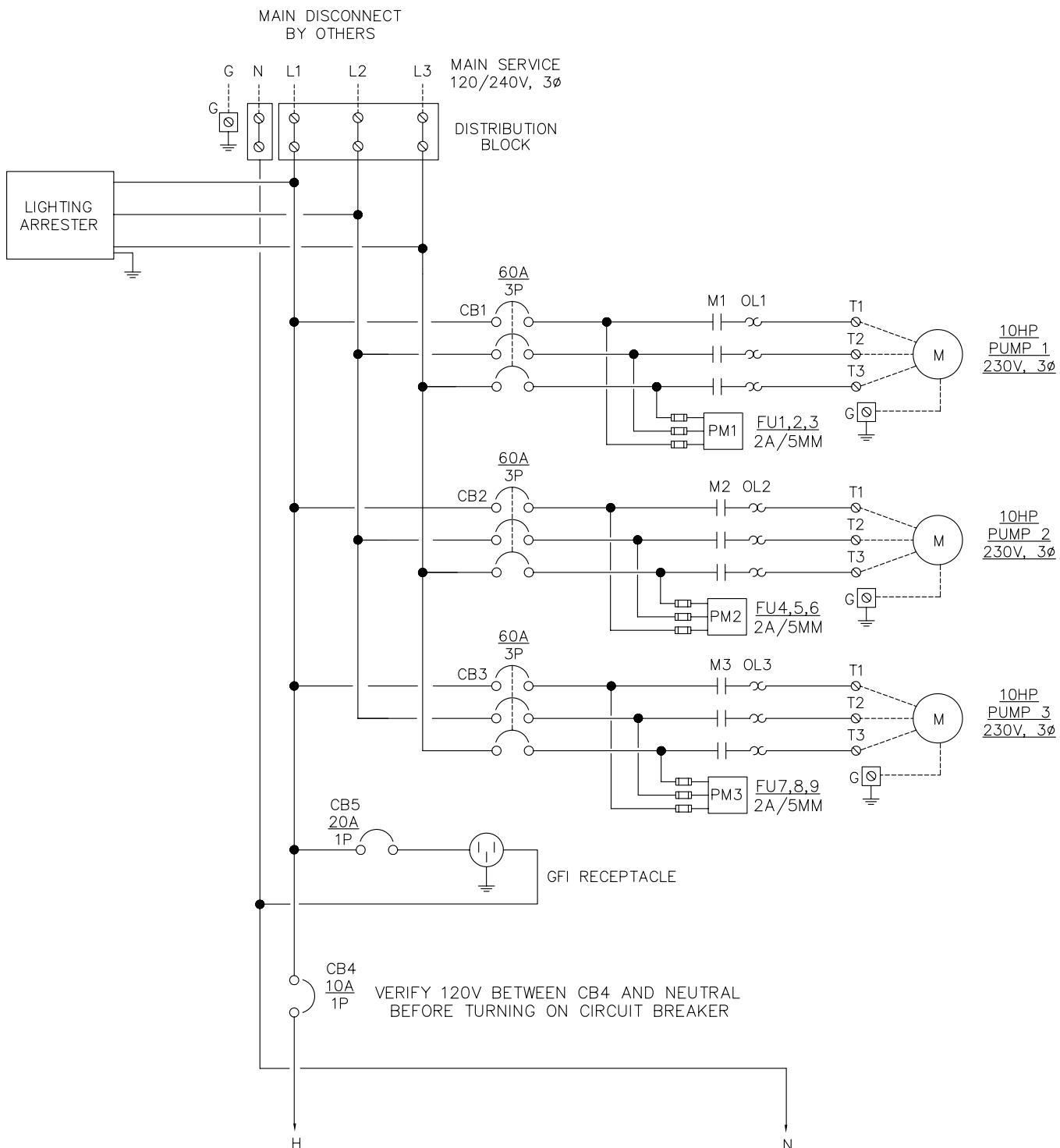
OPTIONS:

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 (pilot only)	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X (3)	
NEMA RATED STARTERS	X	
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

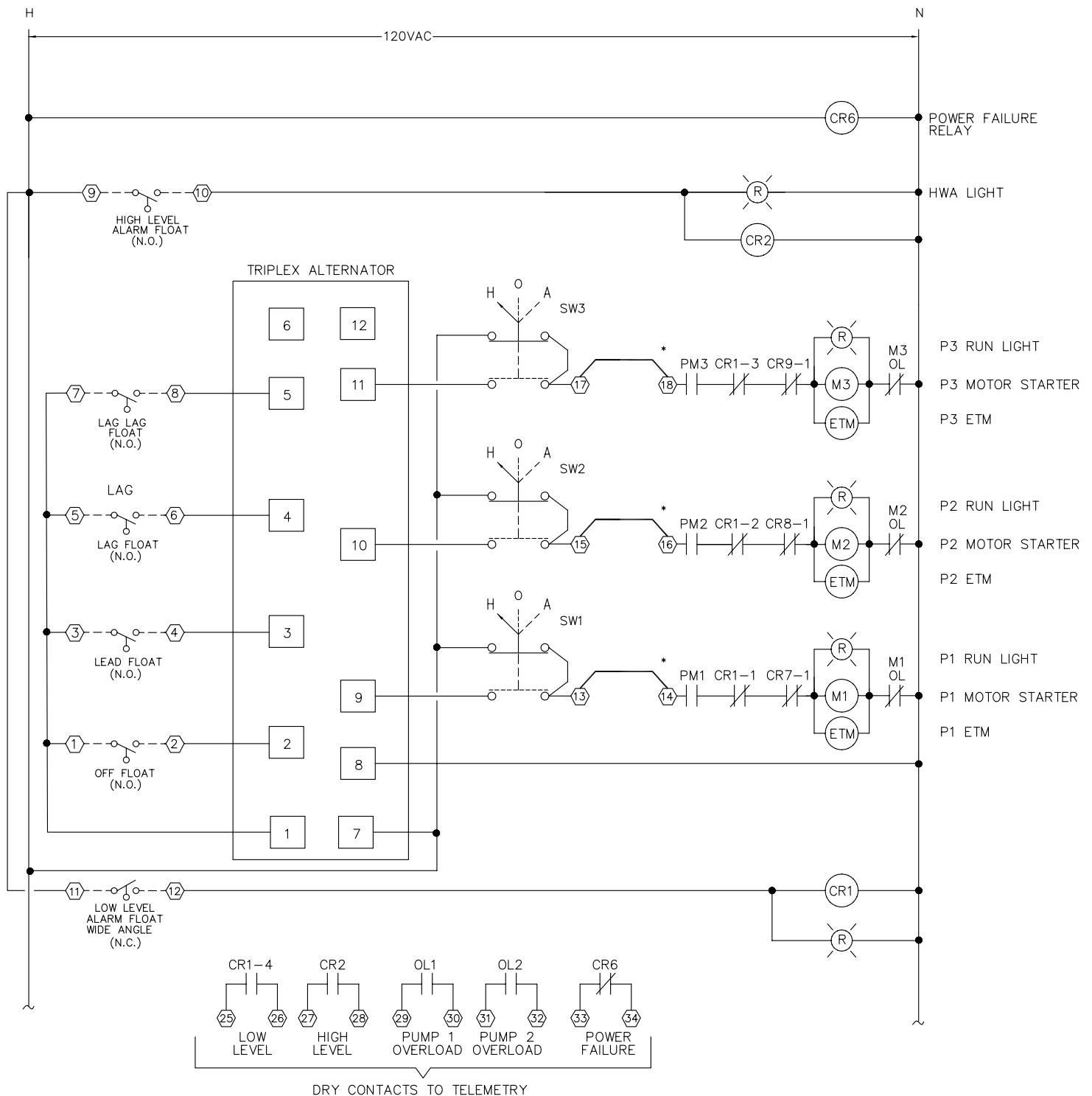
SOLD TO: Delta Process - New Orleans, LA  
TAG : PLAQUEMINE

SHIP TO: Delta Process - Denham Springs, LA

DATE 1/31/06	Drawing Title  PANEL DESCRIPTION	REFERENCE DRAWING						NO. C.C.	REVISION-LOCATION		ECN DRAWN BY CTR	DATE APPROVED BY
		S/N	Sales Engineer	Application Engineer	DRAWN BY	REVISION R.C.	REVISION R.C.		DRAWN BY			
	Project Title  TRIPLEX PUMP CONTROL PANEL										P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER
											Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2288 SHEET NUMBER 1

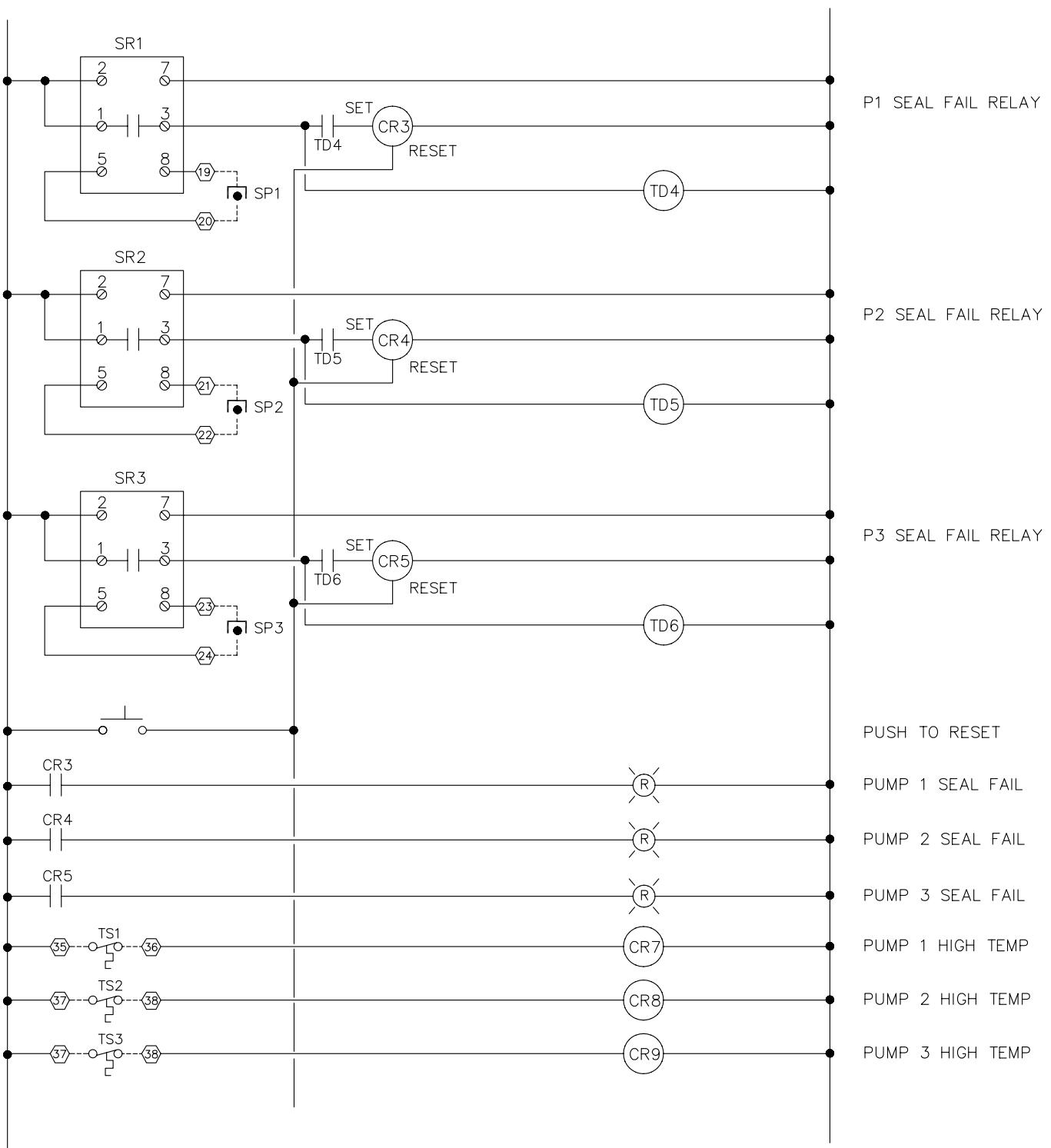


	Drawing Title					
	POWER DIAGRAM					
DATE 1/31/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY	BY DATE
Project Title TRIPLEX PUMP CONTROL PANEL	<b>COX</b> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2288 SHEET NUMBER 2	

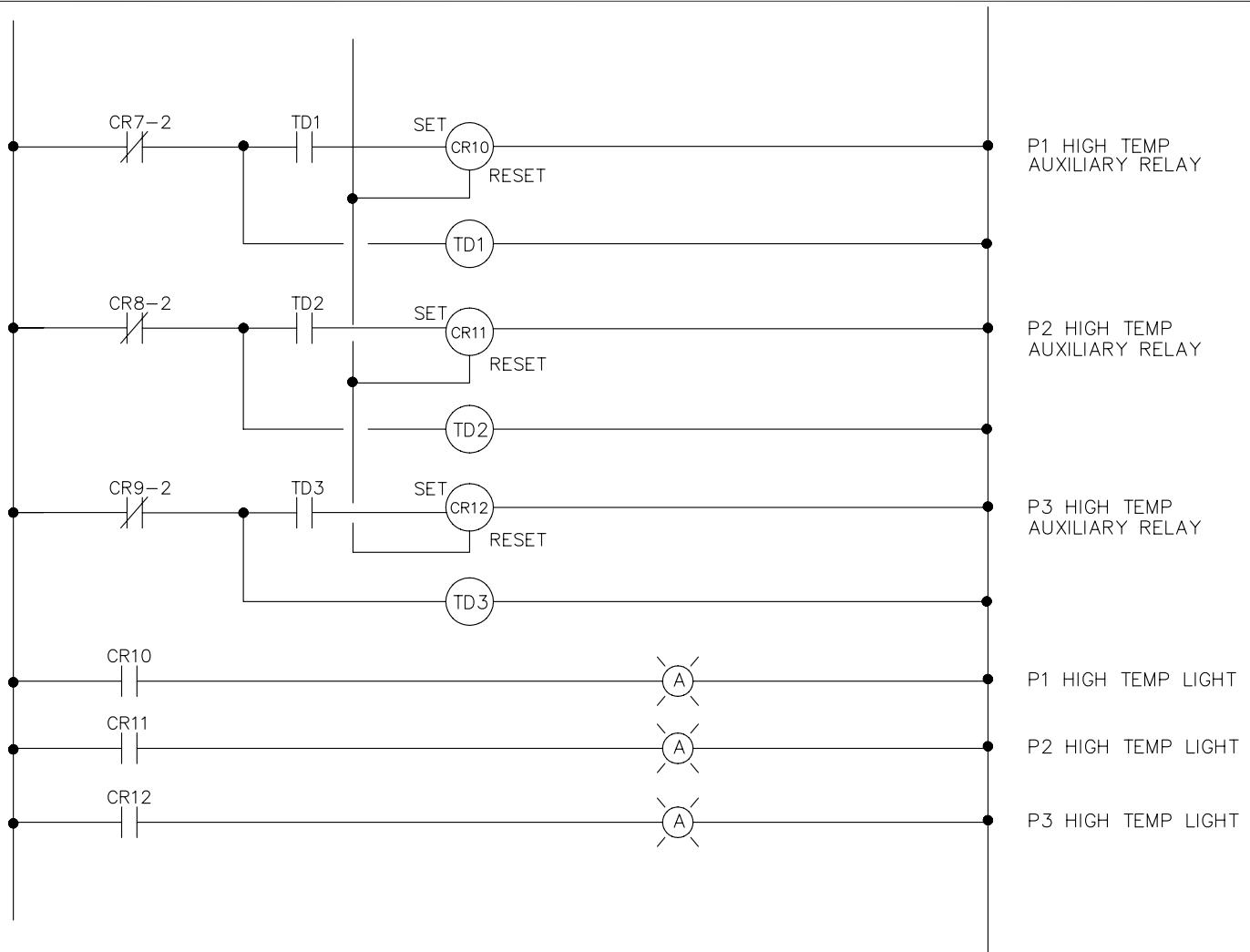


\* REMOVE JUMPER AND INSTALL LOCKOUT DEVICES IF REQUIRED

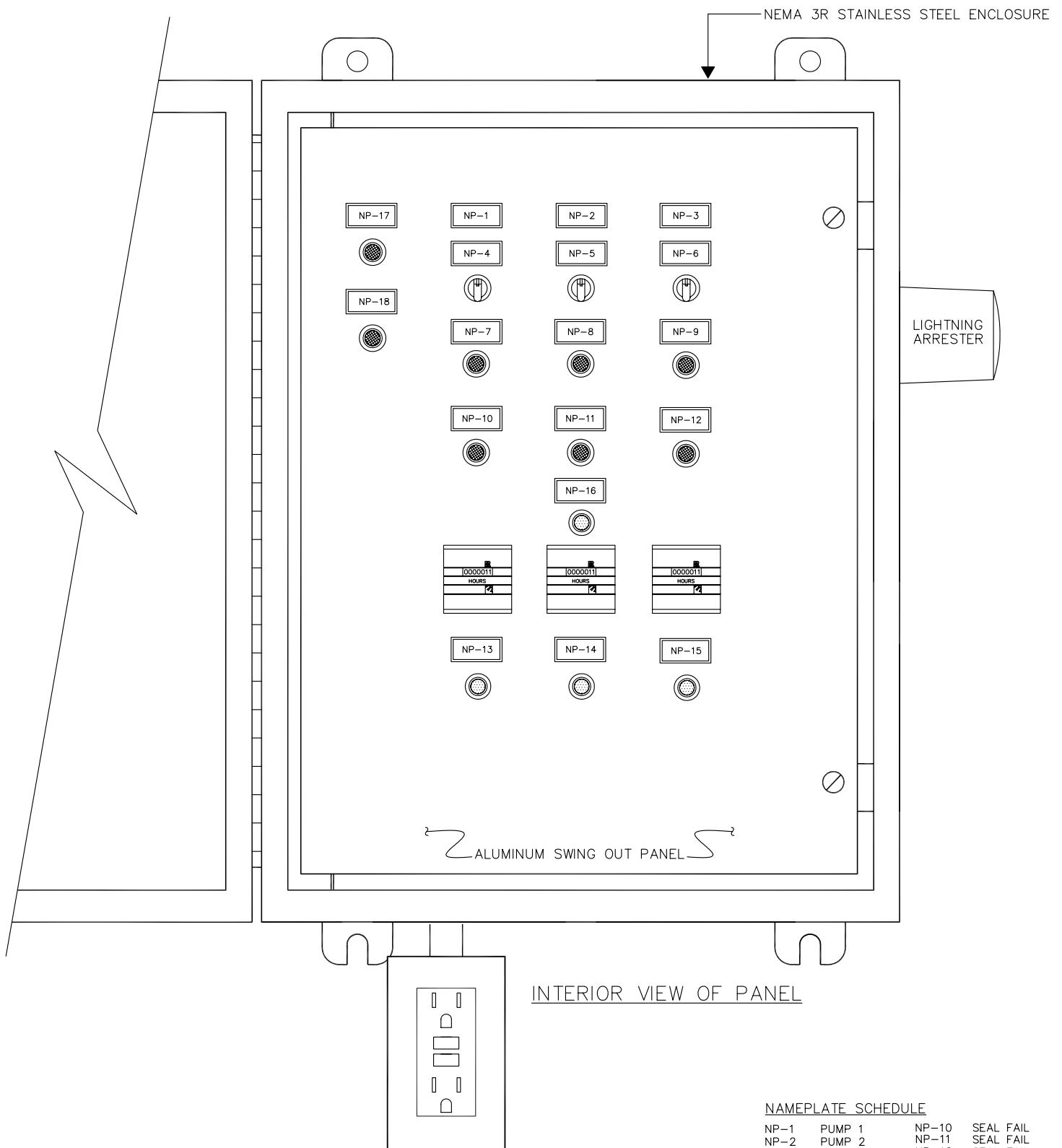
	Drawing Title						
	CONTROL DIAGRAM						
DATE 1/31/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN R.C.	ECN	DATE	BY
			DRAWN	APPROVED			
			BY CTR	BY	DATE		
	Project Title	<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc.			PURCHASE ORDER NUMBER P.O. Box 77808 Baton Rouge, LA 70809		
	TRIPLEX PUMP CONTROL PANEL				DRAWING NUMBER CP-2288 Ph. (225)756-3271 Fax (225)755-1030		
					SHEET NUMBER 3		



	Drawing Title  CONTROL DIAGRAM							
		REFERENCE DRAWING	NO.		REVISION-LOCATION	ECN	DATE	BY
DATE 1/31/06		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR		APPROVED BY DATE	
	Project Title  TRIPLEX PUMP CONTROL PANEL	<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER				
			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2288				
				SHEET NUMBER 4				



	Drawing Title						
	CONTROL DIAGRAM						
DATE 1/31/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY	BY	
Project Title TRIPLEX PUMP CONTROL PANEL	<b>COX</b> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2288 SHEET NUMBER 5		

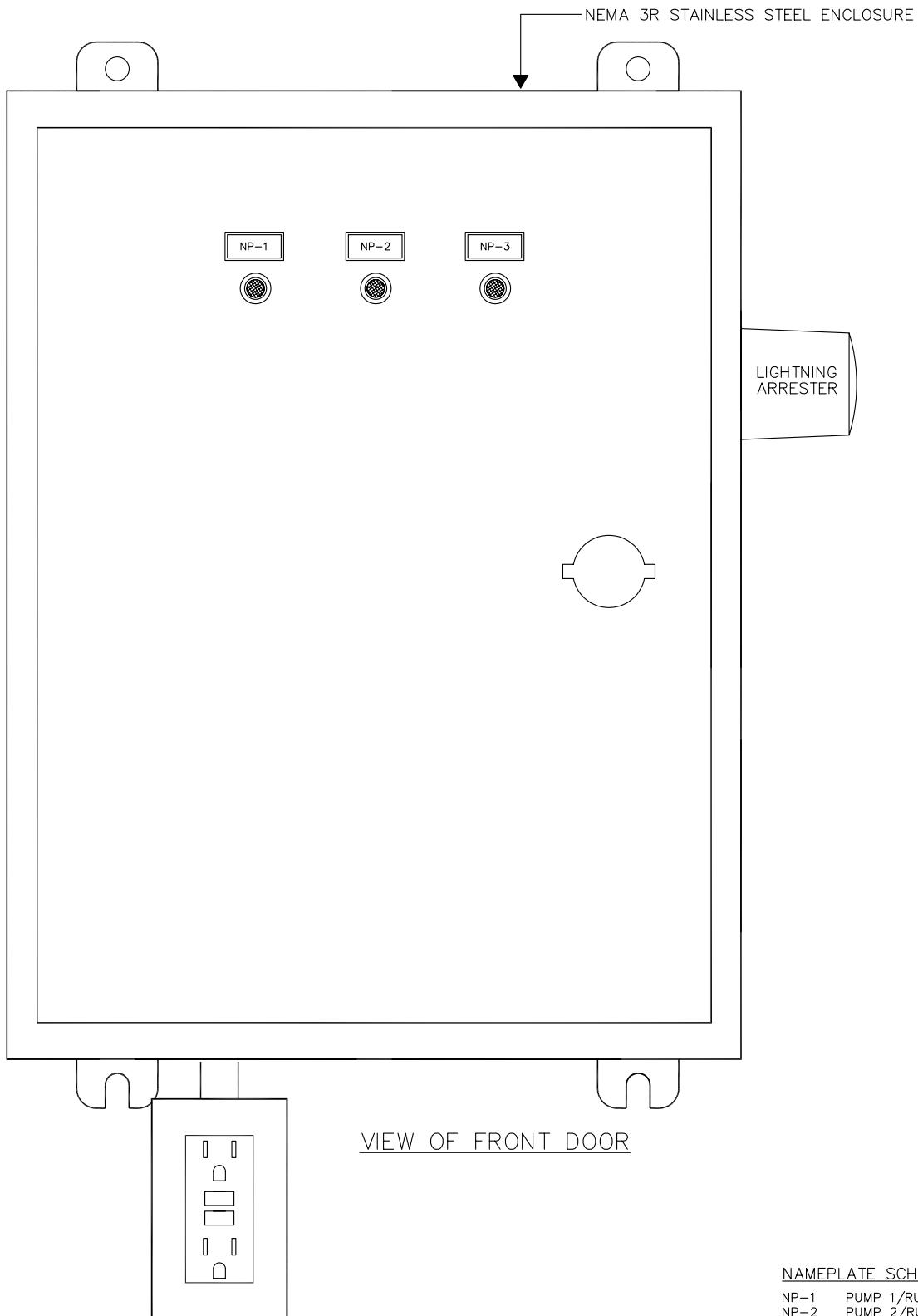


#### NAMEPLATE SCHEDULE

NP-1	PUMP 1	NP-10	SEAL FAIL
NP-2	PUMP 2	NP-11	SEAL FAIL
NP-3	PUMP 3	NP-12	SEAL FAIL
NP-4	HOA	NP-13	O.L. RESET
NP-5	HOA	NP-14	O.L. RESET
NP-6	HOA	NP-15	O.L. RESET
NP-7	HIGH TEMP	NP-16	ALARM RESET
NP-8	HIGH TEMP	NP-17	HIGH LEVEL
NP-9	HIGH TEMP	NP-18	LOW LEVEL

**NOTE:**  
SEWER GASSES 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
S/N	Sales Engineer	Application Engineer		DRAWN		APPROVED		
	C.C.	R.C.	BY CTR		BY	DATE		
Project Title	<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER			
TRIPLEX PUMP CONTROL PANEL			DRAWING NUMBER		CP-2288			
			SHEET NUMBER		6			



NAMEPLATE SCHEDULE

NP-1	PUMP 1/RUN
NP-2	PUMP 2/RUN
NP-3	PUMP 3/RUN

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

	Drawing Title						
	ENCLOSURE						
DATE 1/31/06		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
			C.C.	R.C.	BY CTR	BY	DATE
	Project Title	<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>			PURCHASE ORDER NUMBER		
	TRIPLEX PUMP CONTROL PANEL				DRAWING NUMBER		
					CP-2288		
					SHEET NUMBER		
					7		

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	C & I	C-363010SRHPL	3R S.S. ENCLOSURE
1a	1	C & I	CI-36P30	BACK PLATE
1b	1	C & I	CI-3630SPA	DEAD FRONT
2	1	BUSSMANN	16371-3	DISTRIBUTION BLOCK
3	3	SQUARE D	QOU360	CB 1,2,3
4	3	ABB	A50N2-30-11-84	MS 1,2,3
5	3	ABB	TA75DU32	O.L. 1,2,3 (24-32A)
6	1	DIVERSIFIED	ARM-120-ACE	TRIPLEX ALTERNATOR
7	3	SSAC	PLMU-11	PHASE MONITOR
8	1	DELTA	LA603	LIGHTNING ARRESTOR
9	3	SSAC	LLC54AA	SEAL FAIL RELAYS
10	3	A-B	800H-JR2A	HOA
11	8	A-B	800H-QR10R	PILOT LIGHT-RED
12	1	A-B	800H-AR2A	PUSH BUTTON
13	3	ABB	KPR3-104BMR	O.L. RESET P.B.
14	3	REDINGTON	711-0190	ELAPSED TIME METER
15	6	MAGNECRAFT	W388AMLCPX-9	CR3,4,5,10,11,12
16	5	IDECA	RY2S-UAC-120V	CR2,6,7,8,9
17	3	A-B	800H-QR10A	AMBER PILOT LIGHTS
18	1	IDECA	RU4SA110V	CR1
19	6	OMRON	H3YN2AC120	TIME DELAYS
20				
21				
22				
23				
24				
25				
26				
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28				
29				
30				

Drawing Title  BILL OF MATERIALS								
DATE 1/31/06	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
Project Title  TRIPLEX PUMP CONTROL PANEL	COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER			
	Research and Technology, Inc.				Ph. (225)756-3271 Fax (225)755-1030			DRAWING NUMBER CP-2288
						SHEET NUMBER		
						8		