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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-2286

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	3	
HP	20	
FLA	54	
TYPE OF PUMP	Self Priming	(Self-Priming, 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:

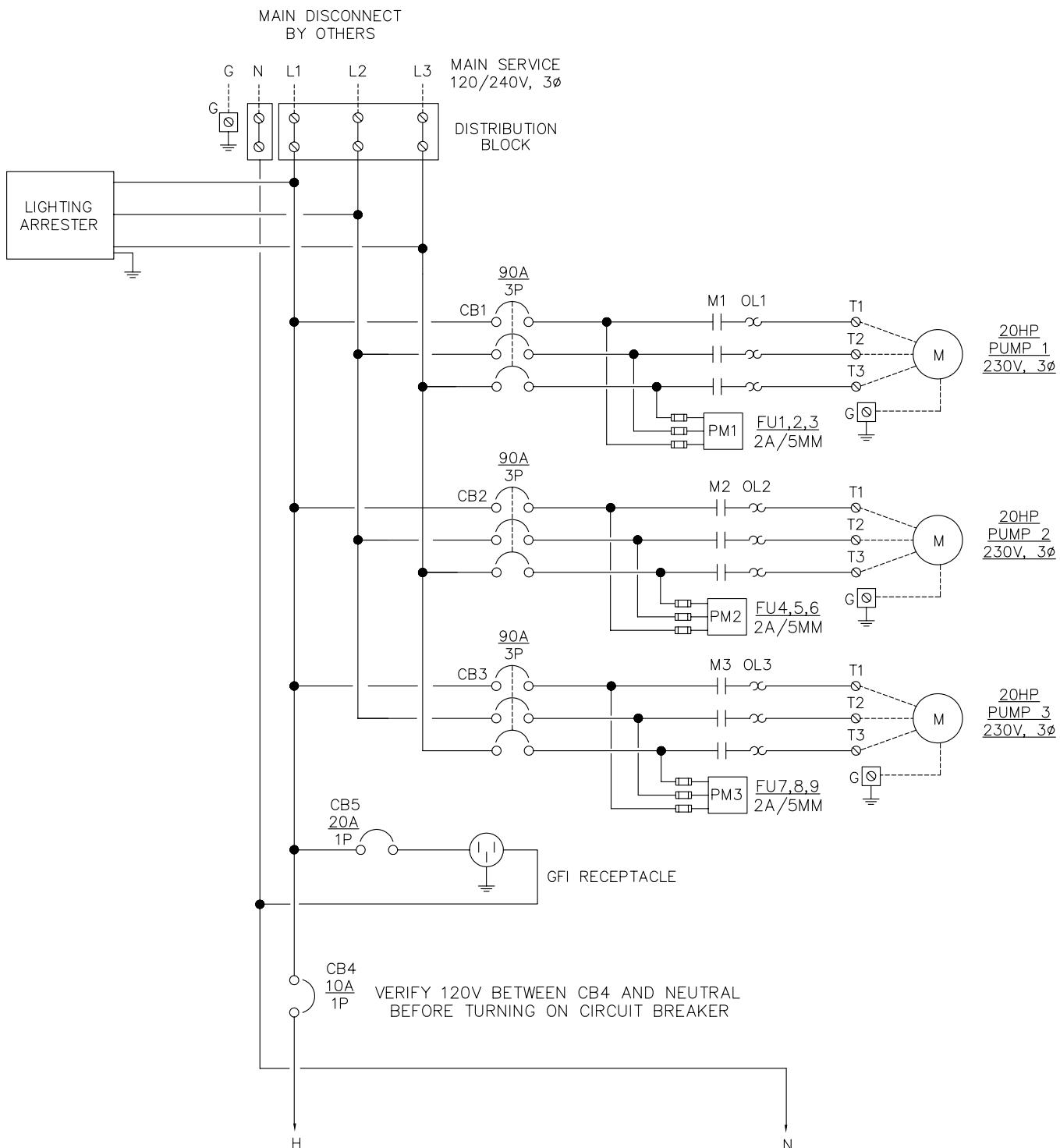
SEAL FAIL LIGHTS	<input type="checkbox"/>	(Submersible Only)
SEAL FAIL RELAYS	<input type="checkbox"/>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<input type="checkbox"/>	(Submersible Only)
HT PUMP SHUTDOWN	<input checked="" type="checkbox"/>	(Self-Primer, Submersible)
ALARM HORN	<input type="checkbox"/>	
ALARM LIGHT	<input type="checkbox"/>	
LIGHT PANEL MTD	<input type="checkbox"/>	X (pilot only)
LIGHT REMOTE MTD	<input type="checkbox"/>	
LIGHT FLASHER	<input type="checkbox"/>	
LIGHTNING ARRESTER	<input type="checkbox"/>	
ELAPSED TIME METER	<input type="checkbox"/>	
PHASE MONITOR	<input type="checkbox"/>	X (3)
NEMA RATED STARTERS	<input type="checkbox"/>	
GROUND FAULT RECPT.	<input type="checkbox"/>	
GREEN RUN LIGHTS VS. RED	<input type="checkbox"/>	
POLE, BOX, SEAL	<input type="checkbox"/>	
INTRINSICALLY SAFE RELAYS	<input type="checkbox"/>	
HIGH TEMP. LOCKOUT, MANUAL RESET	<input type="checkbox"/>	
ECONOMY VERSION	<input type="checkbox"/>	

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

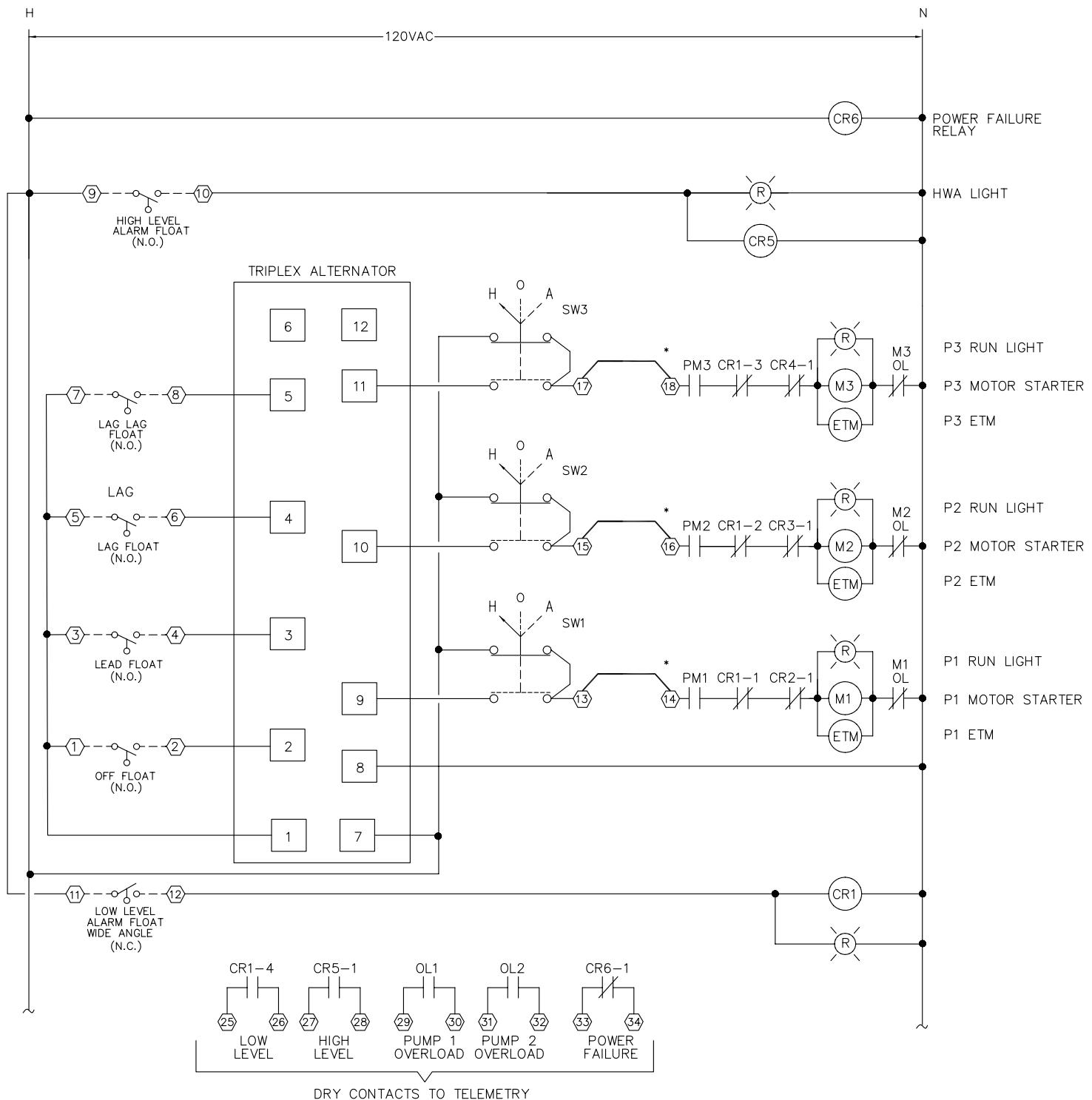
SHIP TO: Delta Process - Denham Springs, LA

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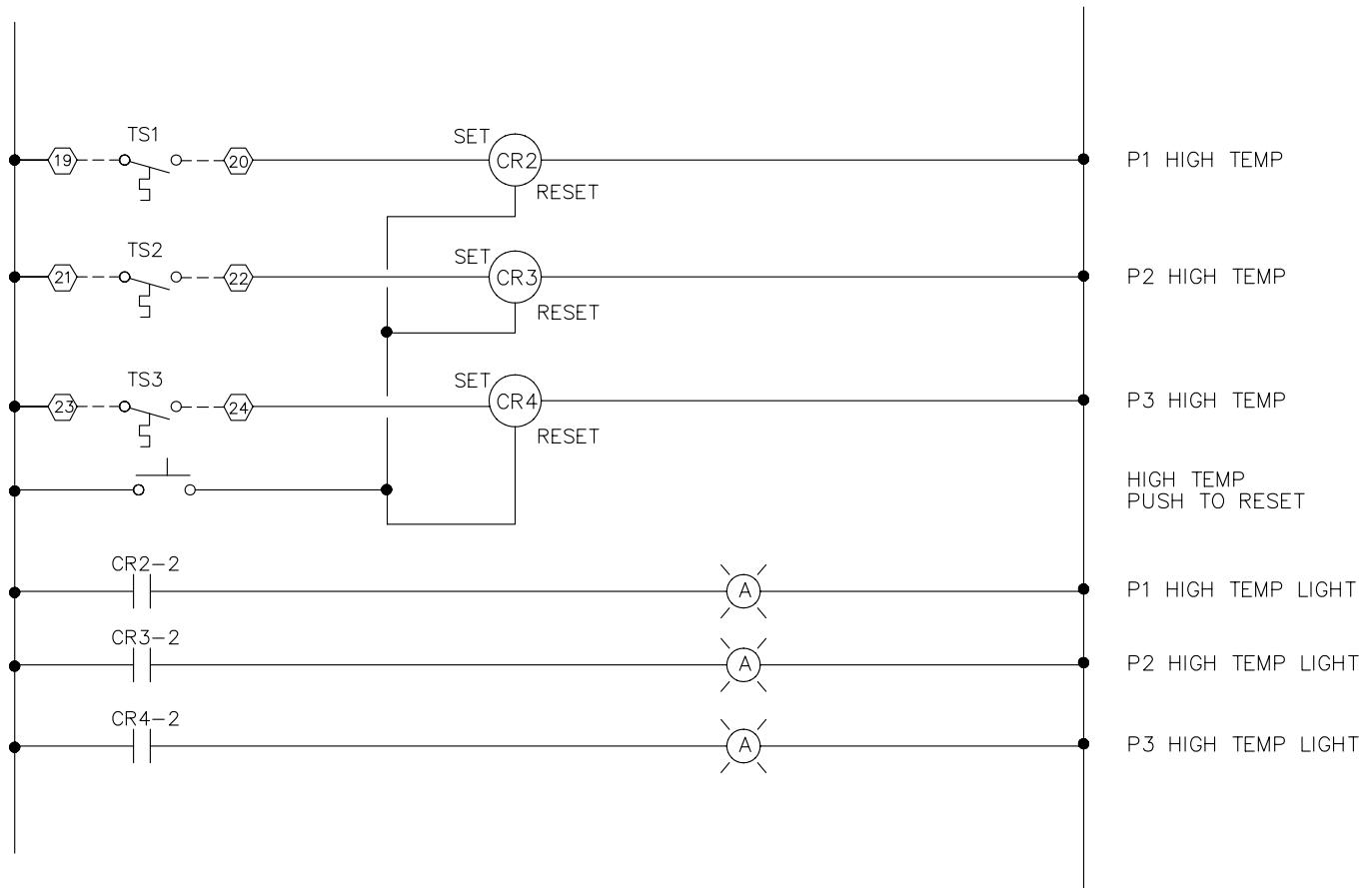
	Drawing Title  PANEL DESCRIPTION							
DATE 2/03/06	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR		APPROVED BY DATE		
	Project Title  TRIPLEX PUMP CONTROL PANEL		<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2286		
						SHEET NUMBER 1		



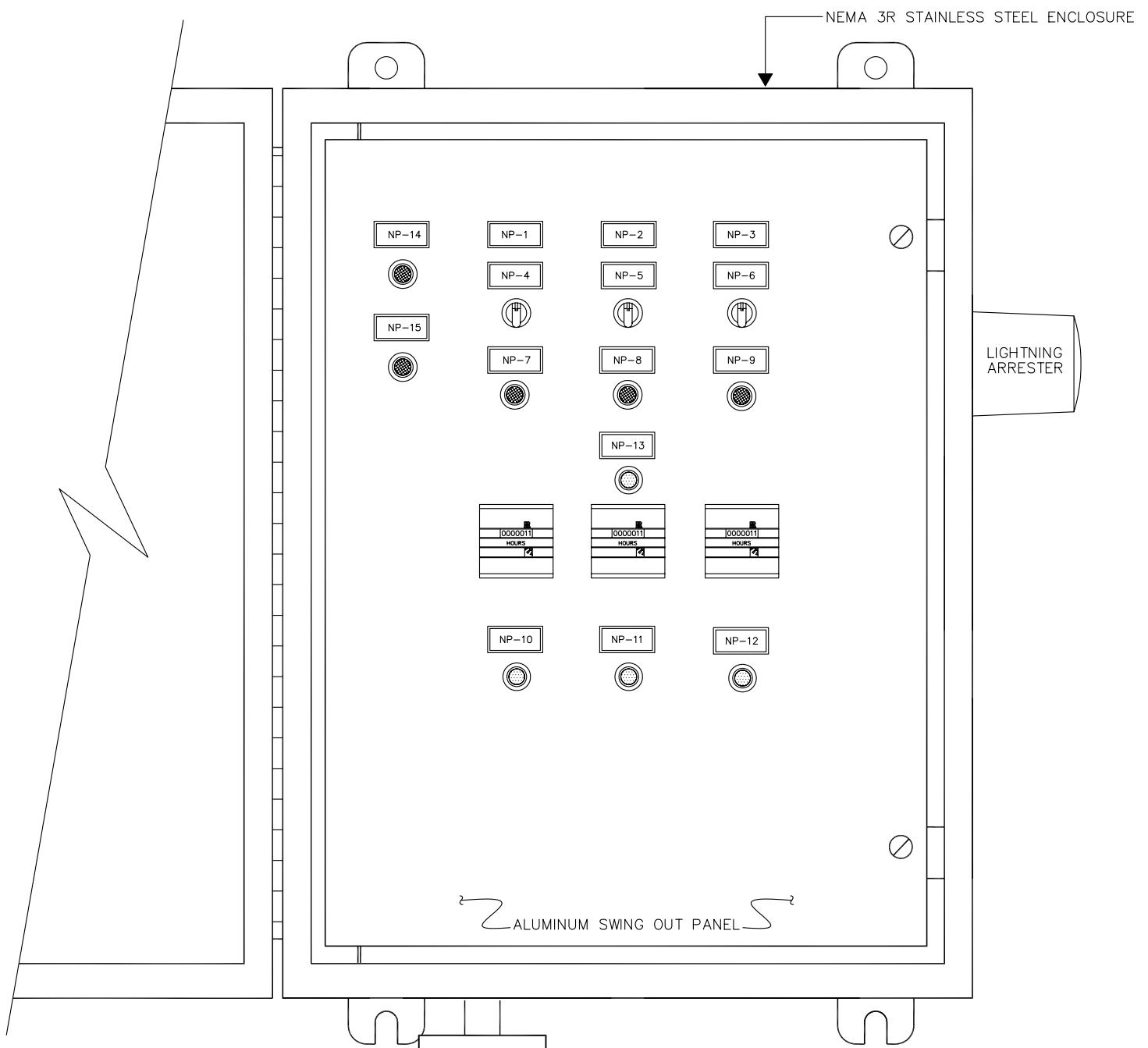
	Drawing Title					
	POWER DIAGRAM					
DATE 2/03/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY CTR	DATE APPROVED BY	BY DATE
Project Title TRIPLEX PUMP CONTROL PANEL	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2286 SHEET NUMBER 2			



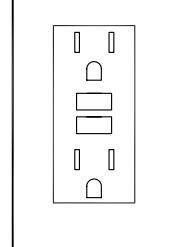
Drawing Title						
CONTROL DIAGRAM						
DATE 2/03/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE DRAWN BY CTR	BY APPROVED BY DATE
Project Title <b>TRIPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.					
	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030					
	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2286 SHEET NUMBER 3					



	Drawing Title						
	CONTROL DIAGRAM						
DATE 2/03/06		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-2286		
					SHEET NUMBER		
					4		



INTERIOR VIEW OF PANEL

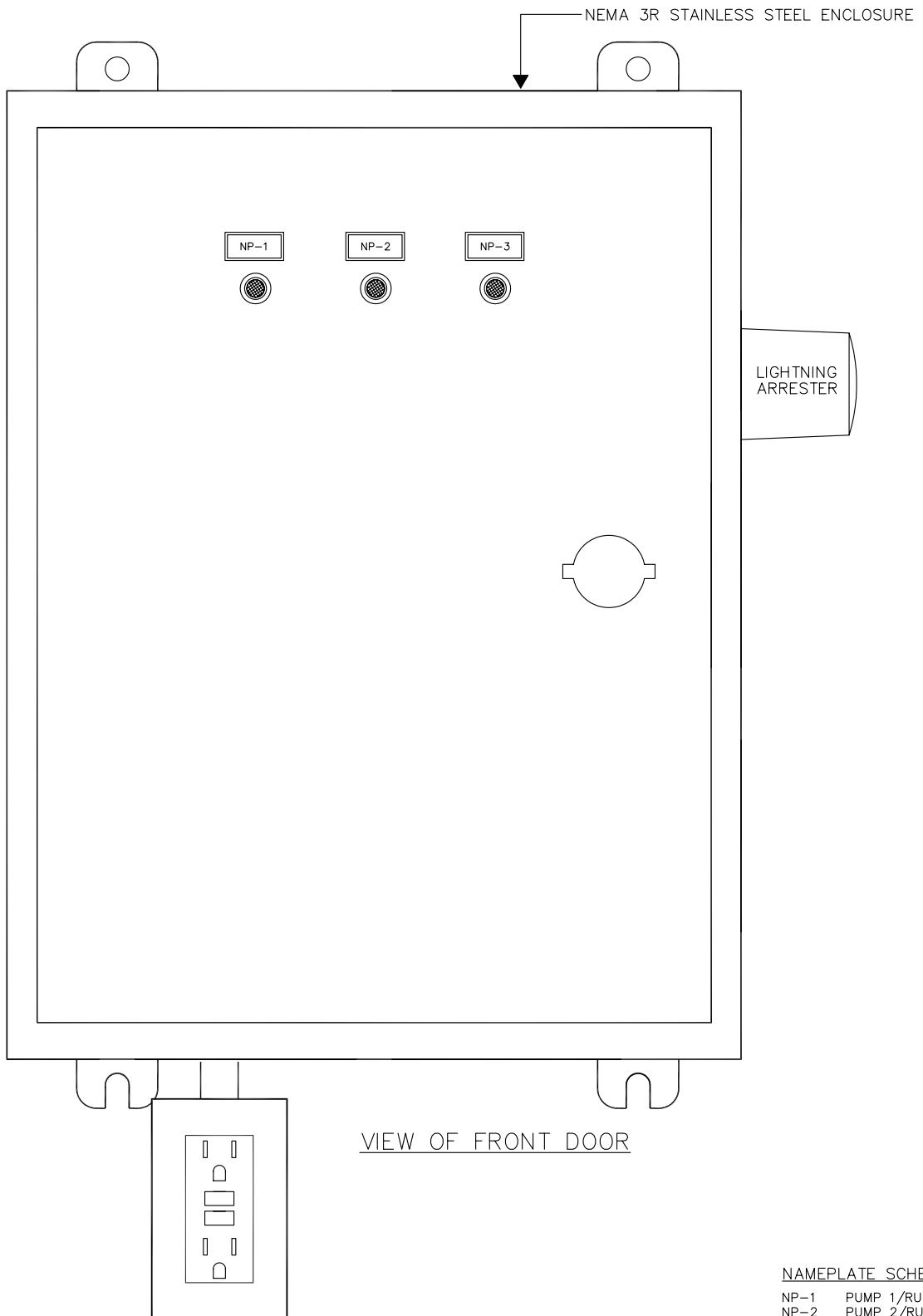


NAMEPLATE SCHEDULE

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

**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
DATE 2/03/06	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
	C.C.		R.C.	BY CTR		BY	DATE	
Project Title	<b>COX</b> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER			
TRIPLEX PUMP CONTROL PANEL			Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2286			
			SHEET NUMBER		5			



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  <b>ENCLOSURE</b>								
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
DATE 2/03/06	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED			
	C.C.		R.C.	BY CTR		BY	DATE		
Project Title  <b>TRIPLEX 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)755-1030				
					PURCHASE ORDER NUMBER  DRAWING NUMBER <b>CP-2286</b>  SHEET NUMBER 6				

# 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	QOU390	CB 1,2,3
4	3	ABB	A75N3-30-11-84	MS 1,2,3
5	3	ABB	TA75DU63	O.L. 1,2,3 (45-63A)
6	1	DIVERSIFIED	ARM-120-ACE	TRIPLEX ALTERNATOR
7	3	SSAC	PLMU-11	PHASE MONITOR
8	1	DELTA	LA603	LIGHTNING ARRESTOR
9	1	IDECK	RU4SA110V	CR1
10	3	A-B	800H-JR2A	HOA
11	5	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	3	MAGNECRAFT	W388AMLCPX-9	CR3,4,5
16	2	IDECK	RY2S-UAC-120V	CR5,6
17	3	A-B	800H-QR10A	AMBER PILOT LIGHTS
18	1	IDECK	RU4SA110V	CR1
19				
20				
21				
22				
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Drawing Title  BILL OF MATERIALS										
DATE 2/03/06	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	 COX 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-2286	
						SHEET NUMBER				
						7				