

---

---

# COX

Research and Technology, Inc.

---

---

DUPLEX PUMP  
CONTROL PANEL  
SUGAR MILL PLANTATION  
ADDIS, LA

FIELD REVISION  
11/18/24

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

CP-2127r1

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	40	
FLA	95.3	
TYPE OF PUMP	Self Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER	T6A3S-B	
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	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

## OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD		
LIGHT REMOTE MTD	X	
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS		
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 - Denham Springs, LA

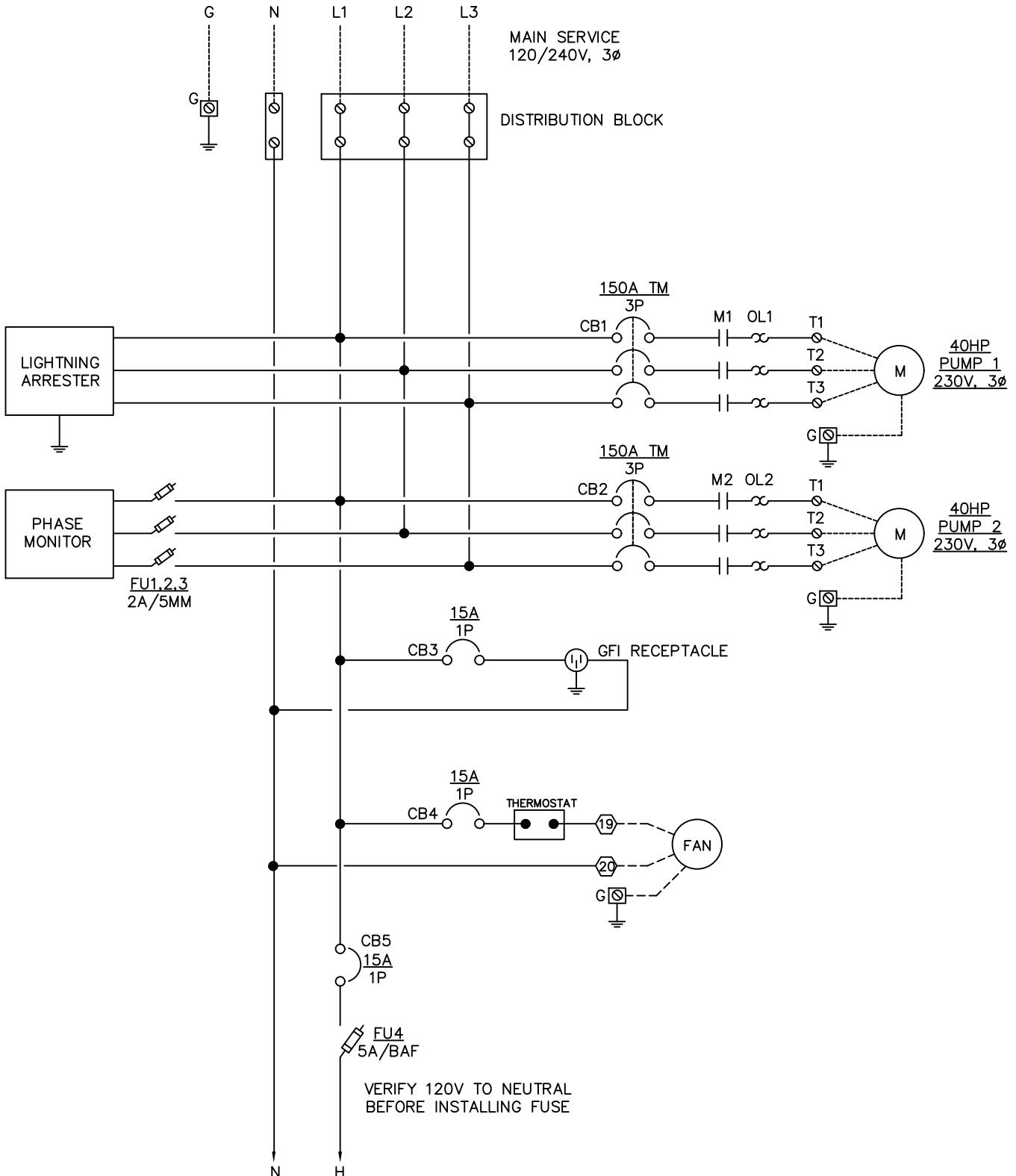
**TAG :** Sugar Mill Plantation

---

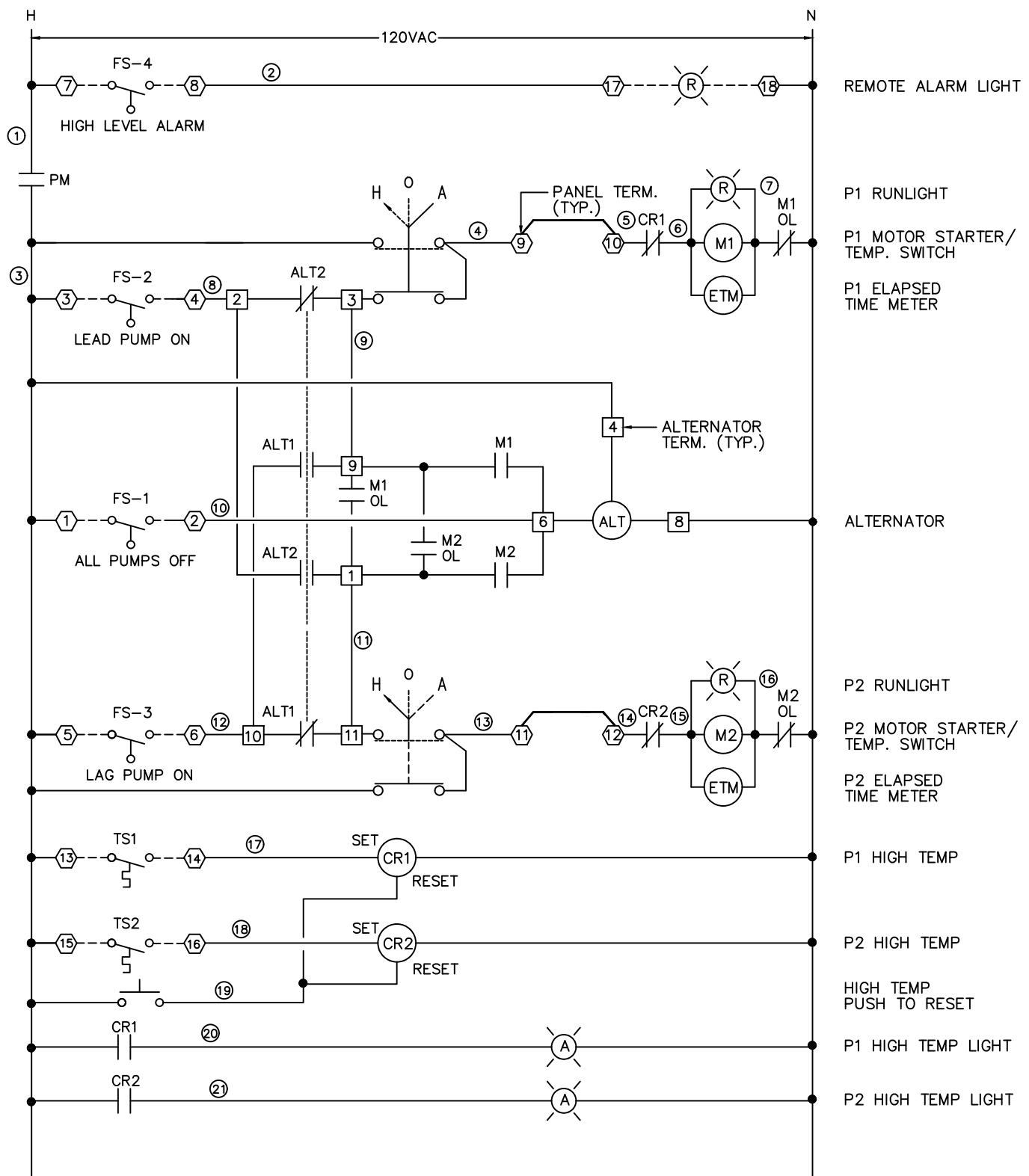
Addis, LA

SHIP TO: Delta Process - Ruston, LA

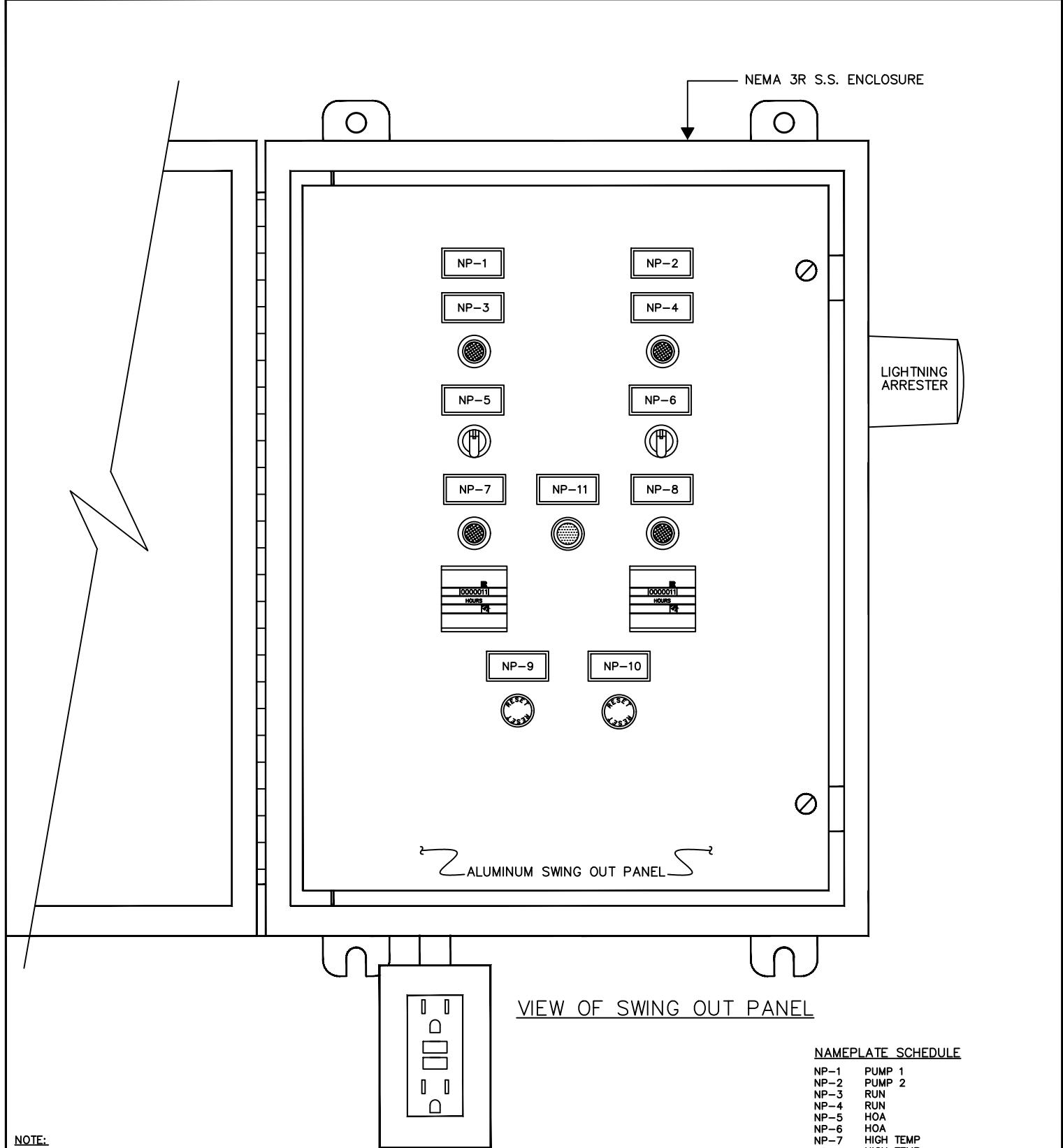
	Drawing Title  PANEL DESCRIPTION  DATE 8/11/05						
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY [DATE]
	Project Title  DUPLEX PUMP CONTROL PANEL		<hr/> <hr/> <b>COX</b> Research and Technology, Inc. <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2127r1		
				Ph. (225)756-3271 Fax (225)755-1030	SHEET NUMBER 1		



	Drawing Title						
	POWER DIAGRAM						
DATE 8/11/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
			DRAWN BY C. RACHAL		APPROVED		
	Project Title <b>DUPLEX 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-2127r1 SHEET NUMBER 2			



	Drawing Title  CONTROL DIAGRAM						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 8/11/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
		Project Title  DUPLEX PUMP CONTROL PANEL	<hr/> <b>COX</b> Research and Technology, Inc. <hr/>	P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2127r1  SHEET NUMBER 3		



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

## NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	HIGH TEMP
NP-8	HIGH TEMP
NP-9	OVERLOAD RESET
NP-10	OVERLOAD RESET
NP-11	PUSH TO RESET

	Drawing Title  ENCLOSURE  DATE 8/11/05							
	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  DUPLEX PUMP CONTROL PANEL		<hr/> <hr/> <b>COX</b> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2127r1		
						SHEET NUMBER 4		

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S363010REPL	ENCLOSURE W/GASKET
1a	1	EBE	3630P	BACKPLATE
2	2	ABB	STOCK	O.L. RESET PUSH BUTTON
3	2	ABB	AF140N4-30-11-13	MOTOR STARTER
4	2	ABB	TF140DU-110	O.L. RELAY (80-110A)
5	2	ABB	S3N150TW	CB1, CB2
6	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	LUMAPRO	3RB24	REMOTE ALARM LIGHT
10	1	DELTA	LA603	LIGHTNING ARRESTER
11	1	SSAC	PLMU-11	PHASE MONITOR
12	2	REDINGTON	711-0190	ELAPSED TIME METER
13	1	ACI	JR22-AN11B	PUSH BUTTON
14	1	BUSSMAN	16332-3	DISTRIBUTION BLOCK
15	1	BUSSMAN	16332-1	NEUTRAL BLOCK
16	1	SAGINAW	SCE-TEMNC	THERMOSTAT
17	3	SQUARE D	QOU115	CB3,4,5
18	2	MAGNECRAFT	W388AMLCPX-9	LATCHING RELAYS
19	2	ACI	JR22FY	YELLOW PILOT LIGHT
20	1	STOCK		GFI RECEPTACLE
21				
22				
23				
24				
25				

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 8/11/05			S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE	BY
	Project Title		COX		PURCHASE ORDER NUMBER Ph. (225)756-3271 Fax (225)755-1030				
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.						
					DRAWING NUMBER		CP-2127r1		
					SHEET NUMBER		5		