

---

---

# COX

Research and Technology, Inc.

---

---

DUPLEX PUMP  
CONTROL PANEL  
DIXIE INN  
5HP

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

VOLTAGE	120/240V 4W	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	5	
FLA	13.2	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	Gorman Rupp	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(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	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS		
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED	X	
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS	X In Alternator	
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process - Bossier City, LA  
TAG : Dixie Inn #1

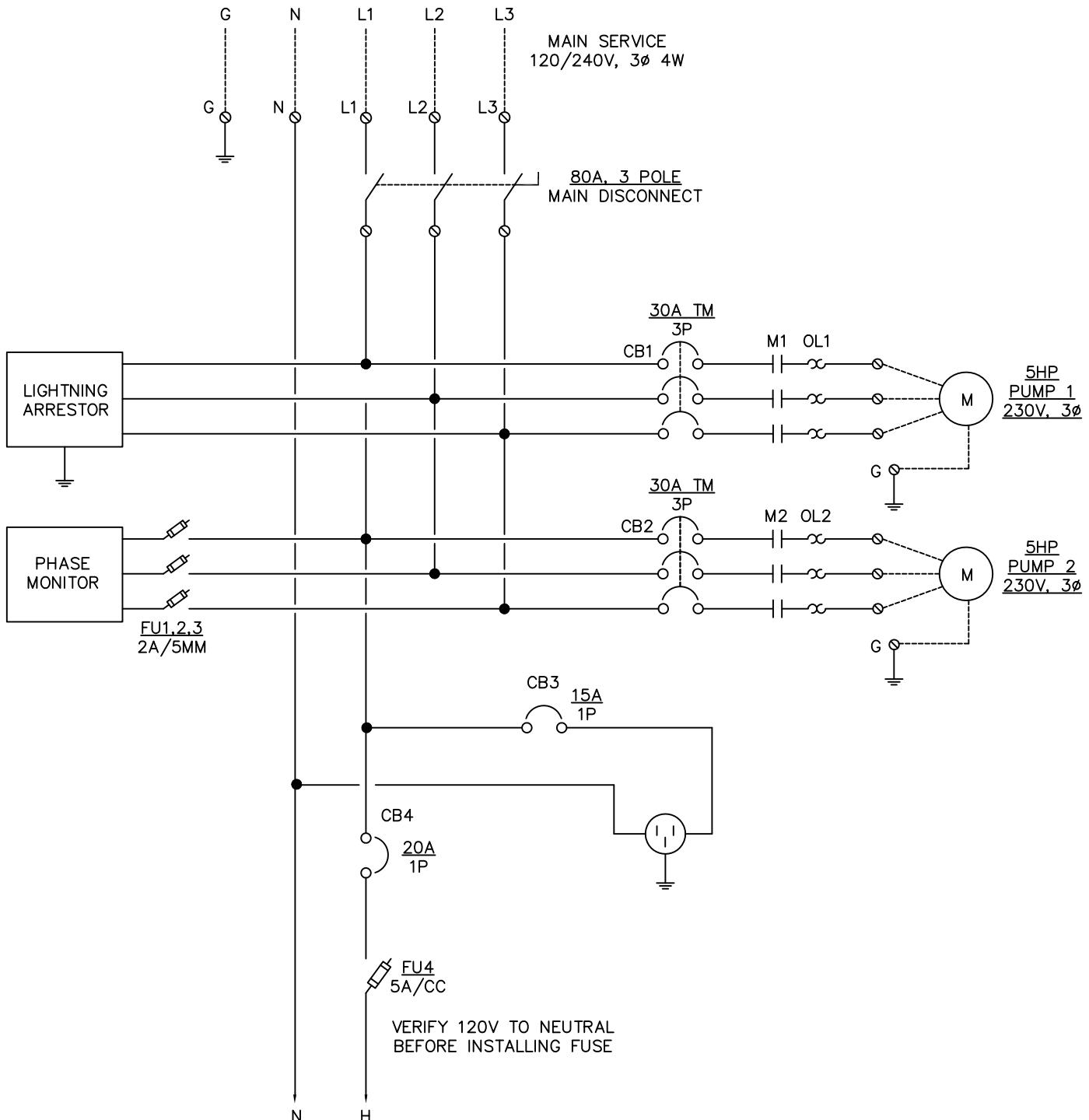
SHIP TO: Delta Process - Bossier City, LA

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO. C.C.	REVISION-LOCATION		ECN DRAWN BY CTR	DATE APPROVED BY DATE
		S/N	Sales Engineer		Application Engineer R.C.	DRAWN BY		
DATE 6/19/02	Project Title  DUPLEX PUMP CONTROL PANEL							

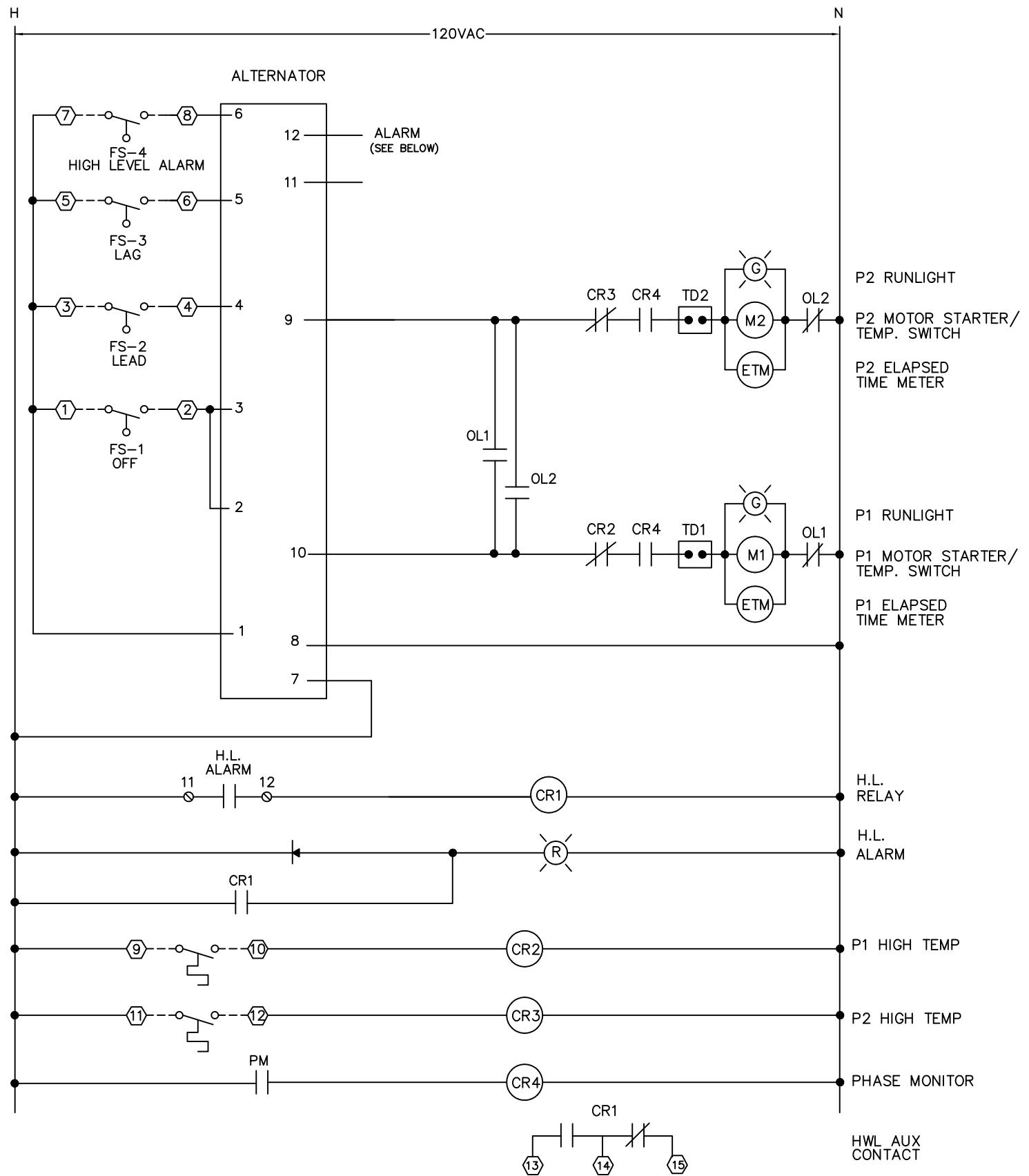
**COX**  
Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809  
Ph. (225)756-3271  
Fax (225)756-1030

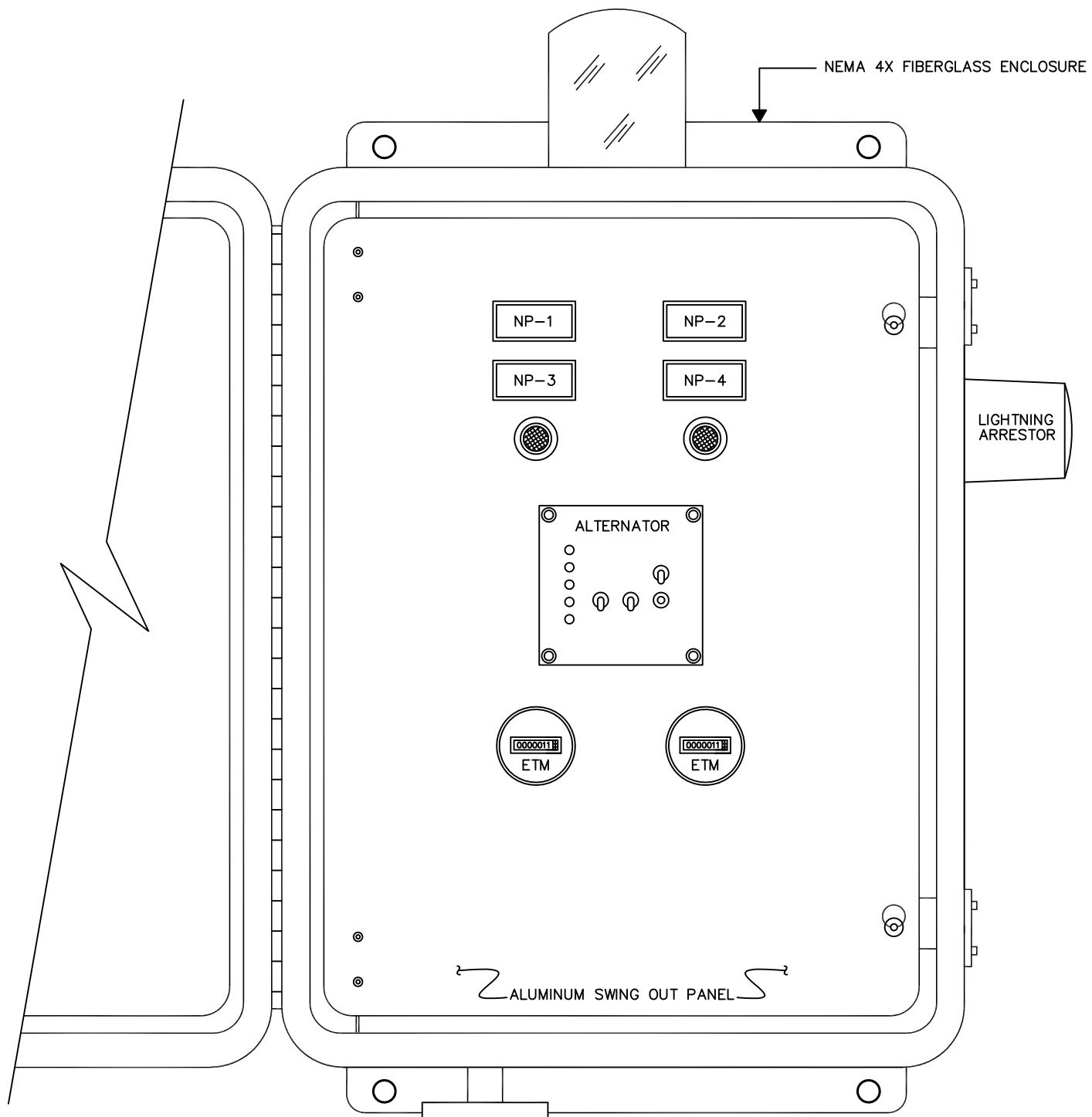
PURCHASE ORDER NUMBER
DRAWING NUMBER CP1433
SHEET NUMBER 1



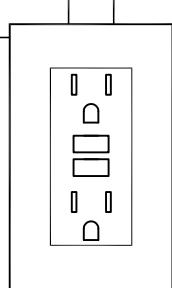
	Drawing Title  <b>POWER DIAGRAM</b>				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY CTR	ECN APPROVED BY DATE
DATE 6/17/02		Application Engineer R.C.			
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP1433  SHEET NUMBER 2	



	Drawing Title							
	CONTROL DIAGRAM							
DATE 6/19/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE	BY		
	Sales Engineer	Application Engineer R.C.					APPROVED	
Project Title <b>DUPLEX PUMP CONTROL PANEL</b>				PURCHASE ORDER NUMBER <b>COX</b> Research and Technology, Inc.				
				DRAWING NUMBER Ph. (225)756-3271 Fax (225)756-1030				
				SHEET NUMBER CP1433 3				



### VIEW OF SWING OUT PANEL



### NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN

NOTE:

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

	Drawing Title						
	ENCLOSURE						
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY
DATE 6/19/02	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR		APPROVED BY DATE	
	Project Title		<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>		PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER		CP1433
					SHEET NUMBER		4

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN D.S.
3	2	SQUARE D	QOU330	CB 1,2
4	1	SQUARE D	QOU115	CB3
5	1	SQUARE D	QOU120	CB 4
6	2	SQUARE D	8911DPS013V02	MS 1,2
7	6	SQUARE D	B22.0	OL 1,2
8	2	SQUARE D	3KK15	AUX. O.L.
9	1	DIVERSIFIED	ARM-120-AFEP	ALTERNATOR
10	1	SSAC	PLMU11	P.M.
11	1	CH	CHSA03	LIGHTNING ARRESTER
12	2	GRASSLIN	UWZ52F	FLAPSLED TIME METER
13	2	ACI	JR22FG	PILOT LIGHT GREEN
14	2	DAYTON	2A561	TIME DELAY RELAY
15	1	AC/DC	BL5-R-120	ALARM LIGHT
16	1		STOCK	GFI
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	<b>BILL OF MATERIALS</b>						
DATE 6/19/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE		
Project Title  DUPLEX PUMP CONTROL PANEL	<b>COX</b> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER  DRAWING NUMBER CP1433		
				Ph. (225)756-3271 Fax (225)756-1030	SHEET NUMBER 5		