
COX

Research and Technology, Inc.

CADDY SEWER #2 DUPLEX PUMP CONTROL PANEL

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

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	20	
FLA	49	
TYPE OF PUMP	Self Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
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	Float Switch	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

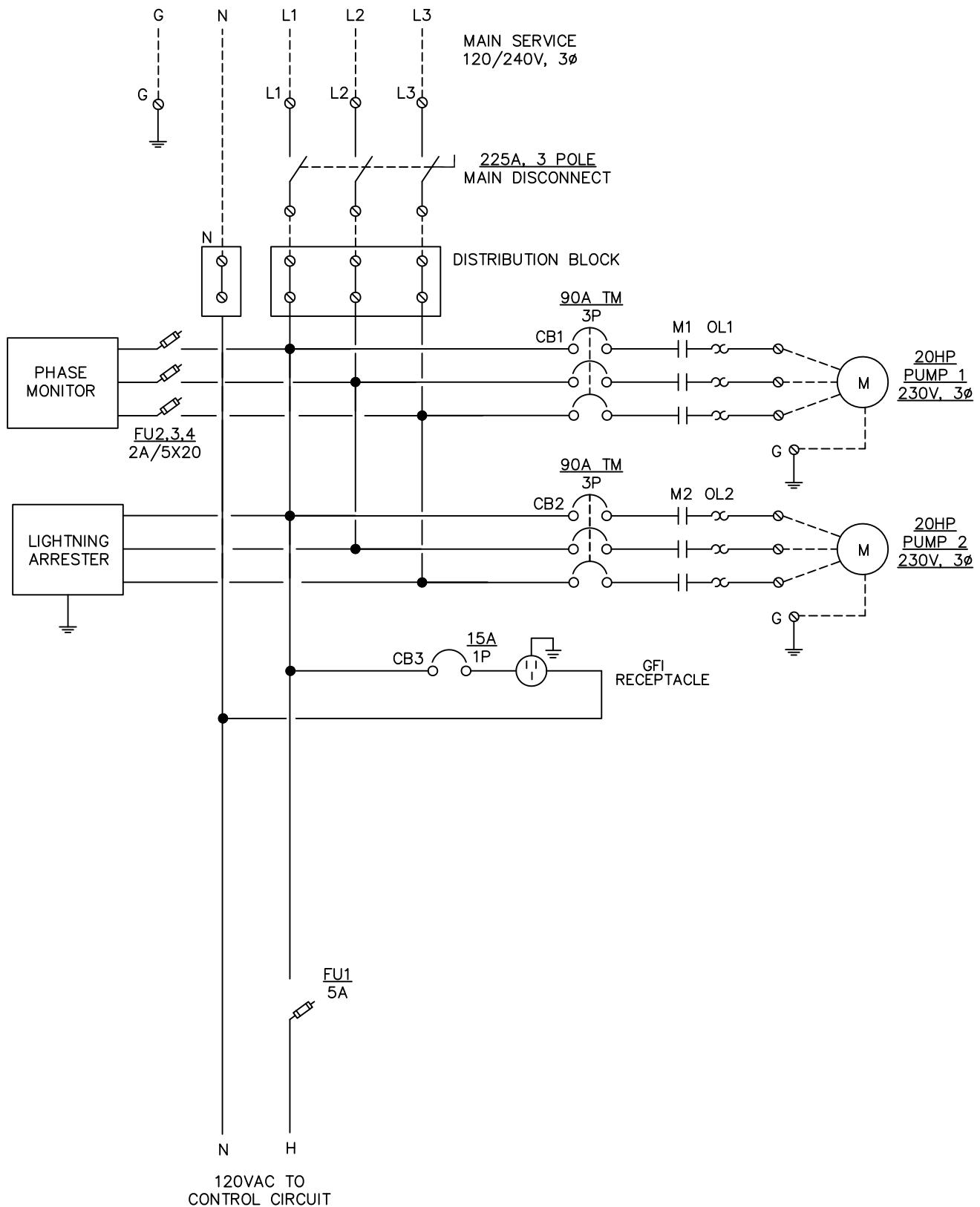
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR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

SOLD TO: Delta Process - Bossier City, LA
TAG : CADDY SEWER #2

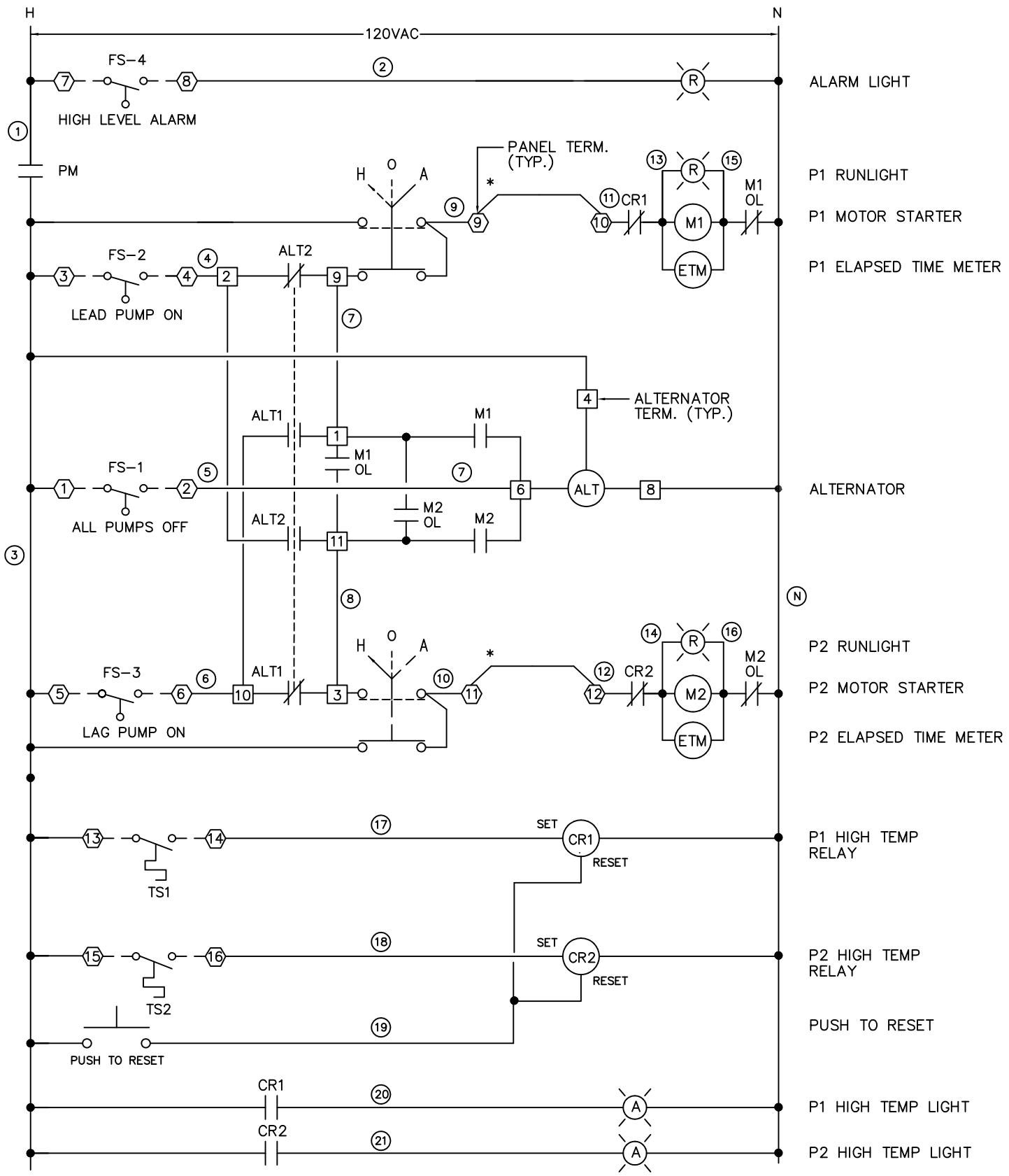
SHIP TO: Buda Engine Co., Shreveport, LA

	Drawing Title						
	PANEL DESCRIPTION						
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
		S/N	Sales Engineer	Application Engineer	DRAWN	BY	APPROVED
			C.C.	R.C.	BY C. RACHAL	BY	DATE
DATE 9/29/03	Project Title DUPLEX PUMP CONTROL PANEL				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
							DRAWING NUMBER CP-1668
							SHEET NUMBER 1

COX
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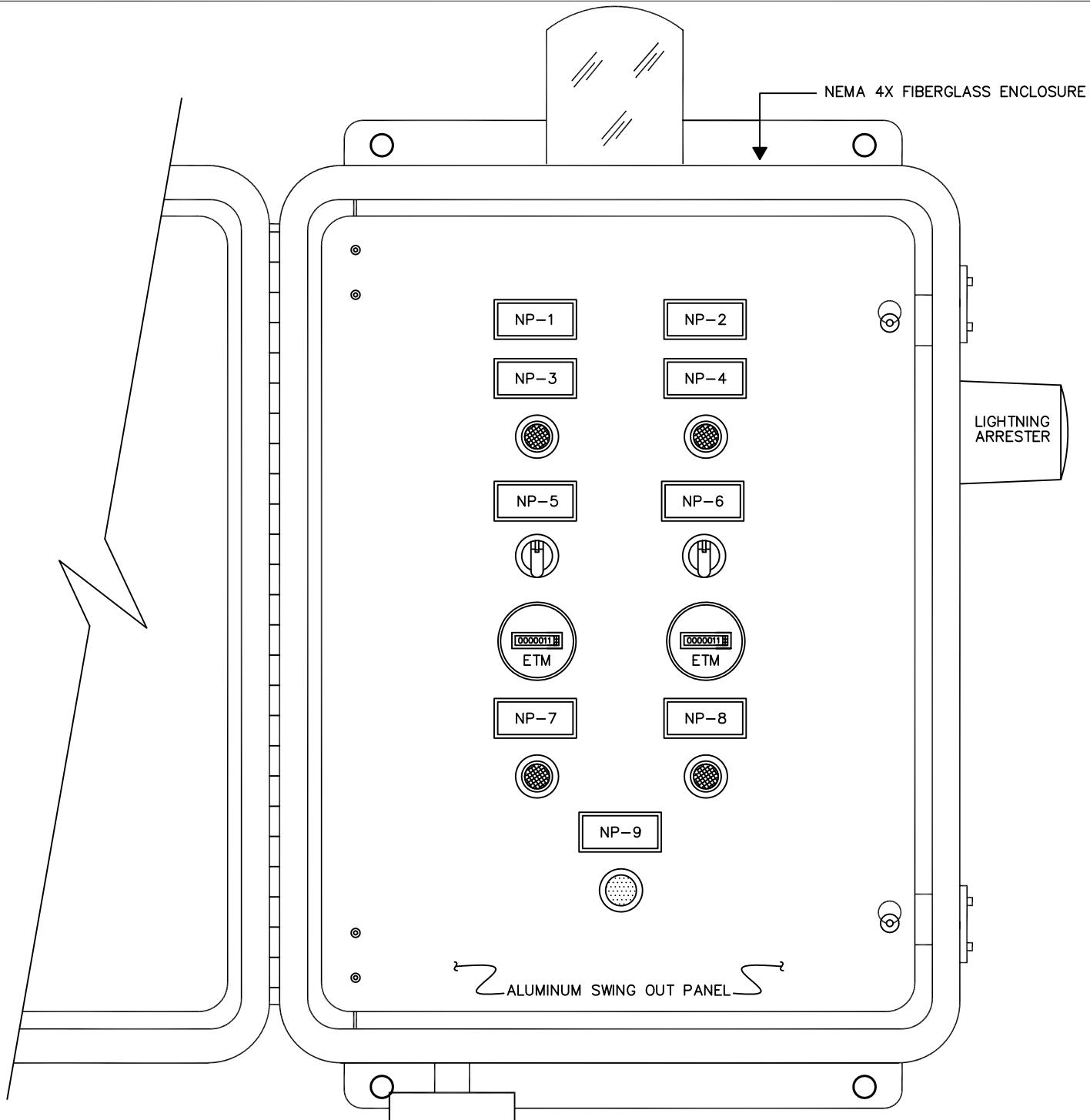
	Drawing Title						
	POWER DIAGRAM						
DATE 9/29/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE		
Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.				PURCHASE ORDER NUMBER P.O. Box 77808 Baton Rouge, LA 70809 DRAWING NUMBER CP-1668 SHEET NUMBER 2		



HIGH TEMP LOCKOUT, MANUAL RESET ON LIGHTS

* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title								
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
9/29/03			C.C.		R.C.	BY C. RACHAL	BY	DATE	BY
	Project Title							PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.						DRAWING NUMBER CP-1668	
								SHEET NUMBER 3	

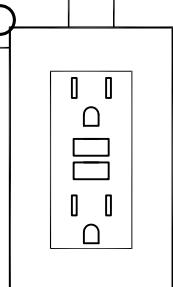


VIEW OF SWING OUT PANEL

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	PUSH TO RESET

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 9/29/03	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
	C.C.		R.C.	BY C. RACHAL	BY DATE	
	Project Title	<hr/> COX <hr/> Research and Technology, Inc. <hr/>			PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER	
					CP-1668	
					SHEET NUMBER	
					4	

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM24200 RL	ENCLOSURE
1a	1	ALLIED	A2420P	BACKPLATE
1b	1	ALLIED	A2420SP	DEAD FRONT
2	2	ABB	A50-30-11-84	MOTOR STARTER
3	2	ABB	TA75DU52	O.L. RELAY (35-52A)
4	2	ABB	S1N090TL	CB1, CB2
5	2	ACI	JR22FR	RED PILOT LIGHT
6	2	ACI	JR22P3M20B	HOA SWITCH
7	2	GRASSLIN	UWZ52E	ETM
8	1	SQUARE D	QOU115	CB3
9	1	MARATHON	1323580	DISTRIBUTION BLOCK
10	1	MARATHON	1321580	NEUTRAL BLOCK
11	1	SSAC	PLMU-11	PHASE MONITOR
12	1	ABB	S3B225DW	MAIN DISC. SWITCH
13	2	ACI	JR22FY	AMBER PILOT LIGHT
14	1	ACI	JR22AN11B	PUSH BUTTON
15	1	CH	CHSA03	LIGHTNING ARRESTER
16				
17				
18				
19				
20				
21				
22				

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 9/29/03			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
			C.C.		R.C.	BY C. RACHAL	BY	DATE	
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.				DRAWING NUMBER		CP-1668
							SHEET NUMBER		5