
COX

Research and Technology, Inc.

AERATOR
CONTROL PANEL
MUNLTI-PURPOSE FACILITY

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

VOLTAGE	208v	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	3	
HP	5,1,1	
FLA	17.5,4.8,4.8	
TYPE OF PUMP	Aerator	
MANUFACTURER		(Self-Priming, Submersible)
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	Clocks	(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		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS	X	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: ETEC
TAG : AERATOR CONTROL PANEL
 MULTI-PURPOSE FACILITY

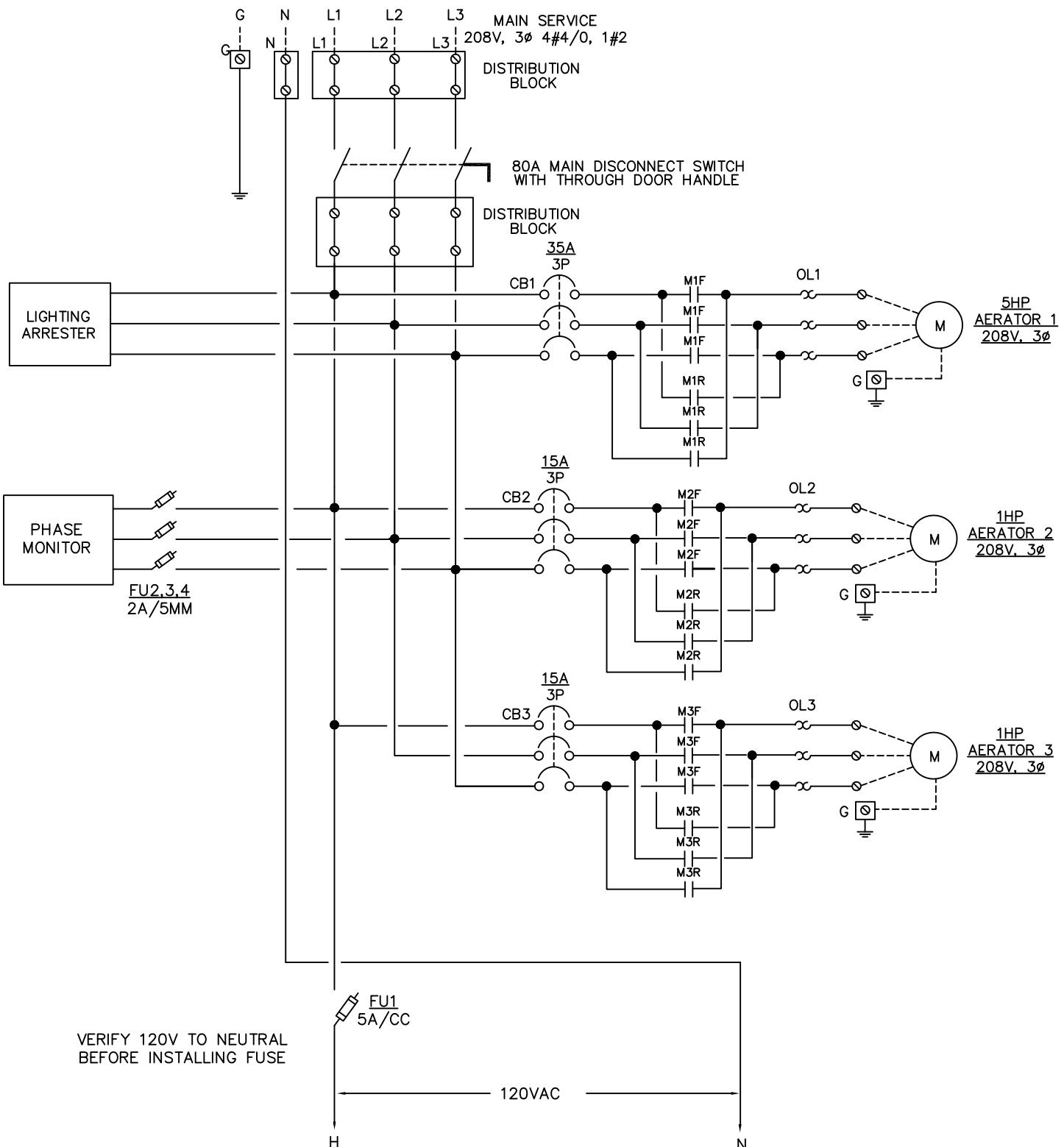
SHIP TO: ETEC

DATE 1/07/04	Drawing Title PANEL DESCRIPTION	REFERENCE DRAWING		NO. C.C.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer		Application Engineer	DRAWN			
	Project Title AERATOR CONTROL PANEL			R.C.	C.RACHAL	BY			

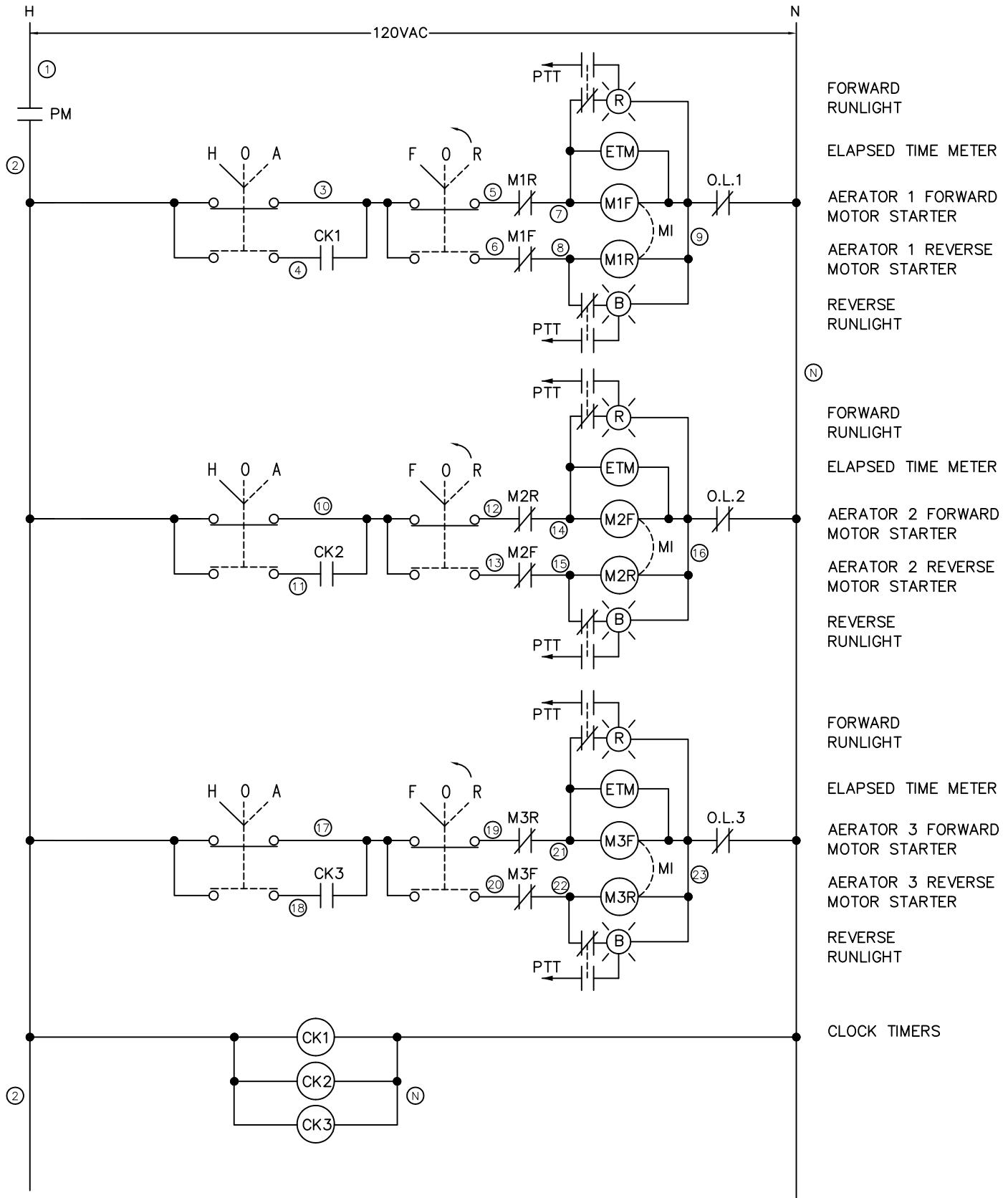
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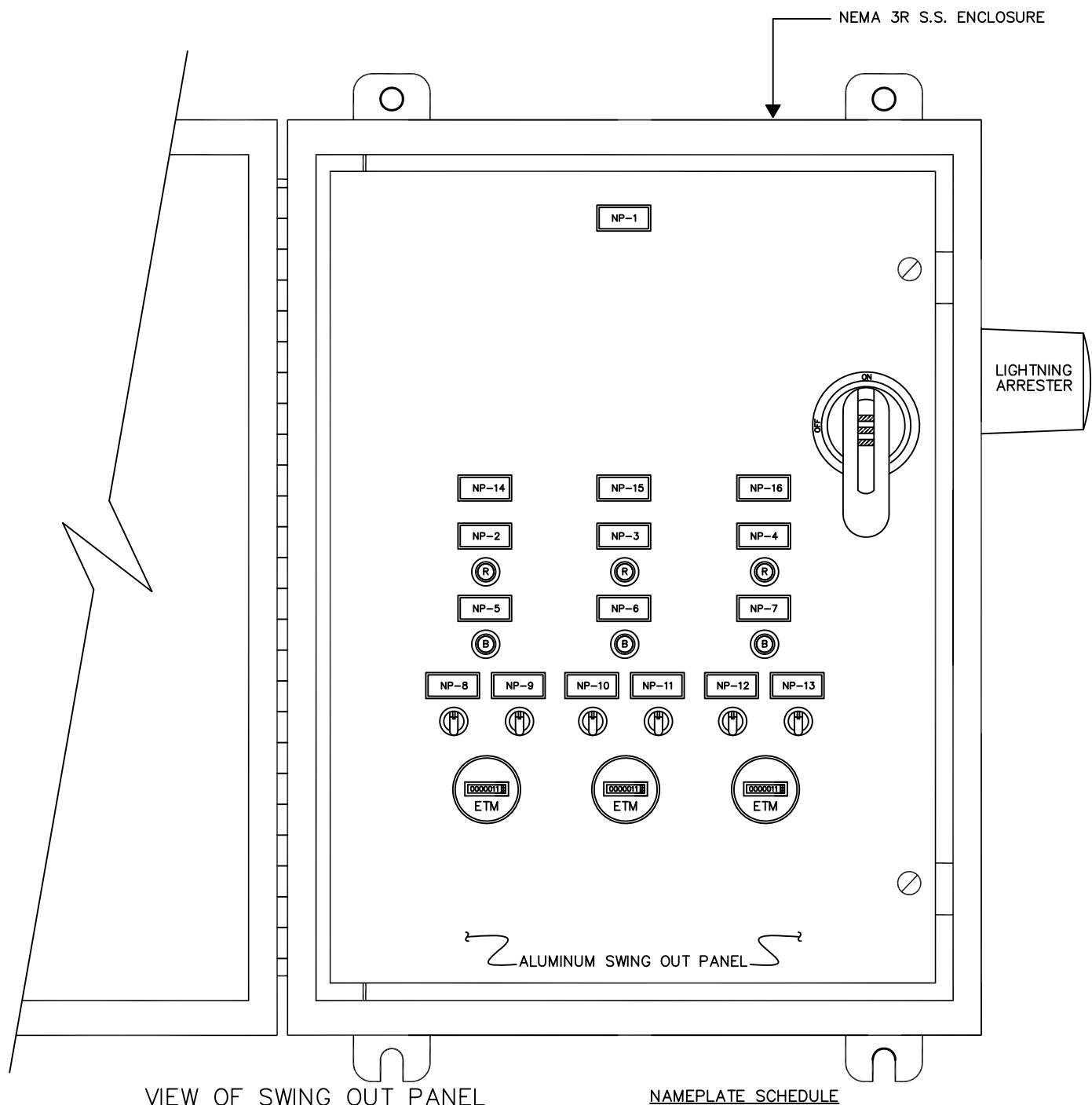
PURCHASE ORDER NUMBER
DRAWING NUMBER CP-1729
SHEET NUMBER 1



	Drawing Title					
	POWER DIAGRAM					
DATE 1/07/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN	DATE	BY
			BY C. RACHAL	BY	APPROVED	DATE
	Project Title			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	AERATOR CONTROL PANEL	COX Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1729	
					SHEET NUMBER 2	



	Drawing Title CONTROL DIAGRAM					
DATE 1/07/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE	BY
Project Title AERATOR 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 CP-1729 SHEET NUMBER 3			



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	AERATOR CONTROL PANEL	NP-14	AERATOR 1
NP-2	FORWARD	NP-15	AERATOR 2
NP-3	FORWARD	NP-16	AERATOR 3
NP-4	FORWARD		
NP-5	REVERSE		
NP-6	REVERSE		
NP-7	REVERSE		
NP-8	H-O-A		
NP-9	F-O-R		
NP-10	H-O-A		
NP-11	F-O-R		
NP-12	H-O-A		
NP-13	F-O-R		

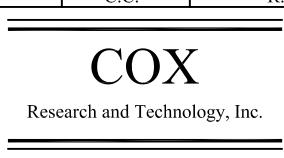
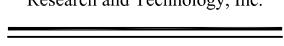
NOTE:

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 1/07/04	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
		C.C.	R.C.	BY C. RACHAL	BY	DATE	
	Project Title		<u>COX</u> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	AERATOR CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1729	
						SHEET NUMBER 4	

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S363010REPL	ENCLOSURE 3R S.S.
2	1	EBE	A3630P	BACKPLATE
3	1	EBE	A3630SP	DEAD FRONT
4	1	ABB	A26N1R-10-84	STARTER
5	1	ABB	TA25DU19	O.L. (13-19A)
6	1	SQUARE D	QOU335	CIRCUIT BREAKER
7	3	ACI	JR22P3M20B	HAND-OFF-AUTO SWITCH
8	3	DIEHL	4152(2A519)	24 HOUR TIMER(BATT)
9	1	SSAC	PLMU11	PHASE MONITOR
10	2	ABB	A16N0R-10-84	STARTER
11	1	DELTA	LA603	LIGHTNING ARRESTER
12	1	ABB	OT63E3	DISCONNECT
13	1	ABB	OXP5X265	SHAFT
14	1	ABB	OHB65J5	HANDLE
15	2	ABB	TA25DU5.0	O.L. (3.5-5A)
16	2	SQUARE D	QOU315	CIRCUIT BREAKER
17	1	MARATHON	1323580	DISTRIBUTION BLOCK
18	1	BUSSMAN	16370-1	NEUTRAL BLOCK
19	1	BUSSMAN	16303-3	DISTRIBUTION BLOCK
20	3	ABB	DB25/25A	SEPARATE O.L. MT. KIT
21	3	ACI	JR22BL11R	PTT PILOT LIGHT
22	3	ACI	JR22BL11B	PTT PILOT LIGHT
23	3	REDINGTON	711-0190	ELAPSED TIME METER
24	3	ACI	JR22P3Y20B	FORWARD-OFF-REVERSE SW

	Drawing Title BILL OF MATERIALS									
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		C.C.	R.C.	BY C. RACHAL	BY	DATE				
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