

---

---

# COX

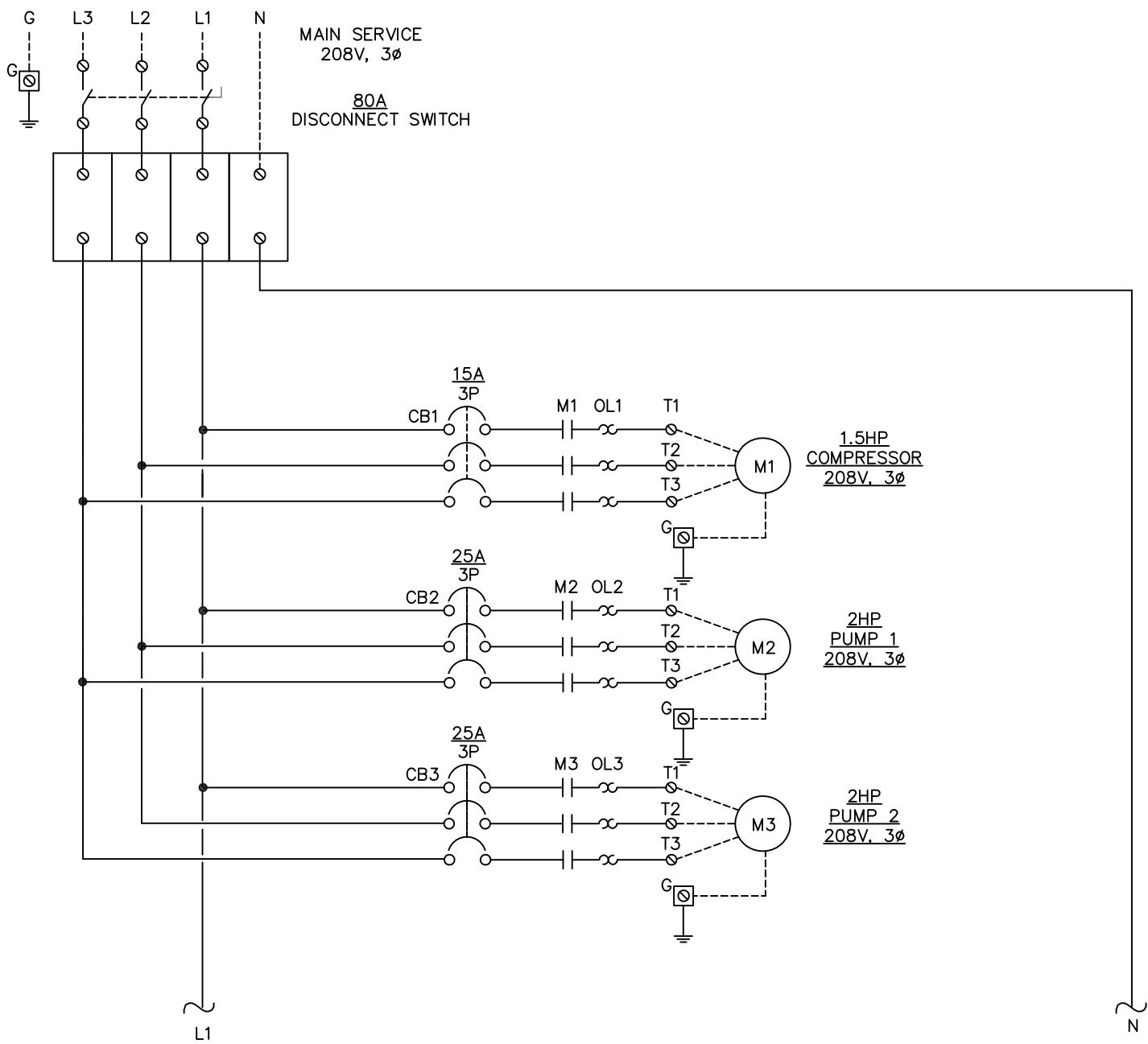
Research and Technology, Inc.

---

---

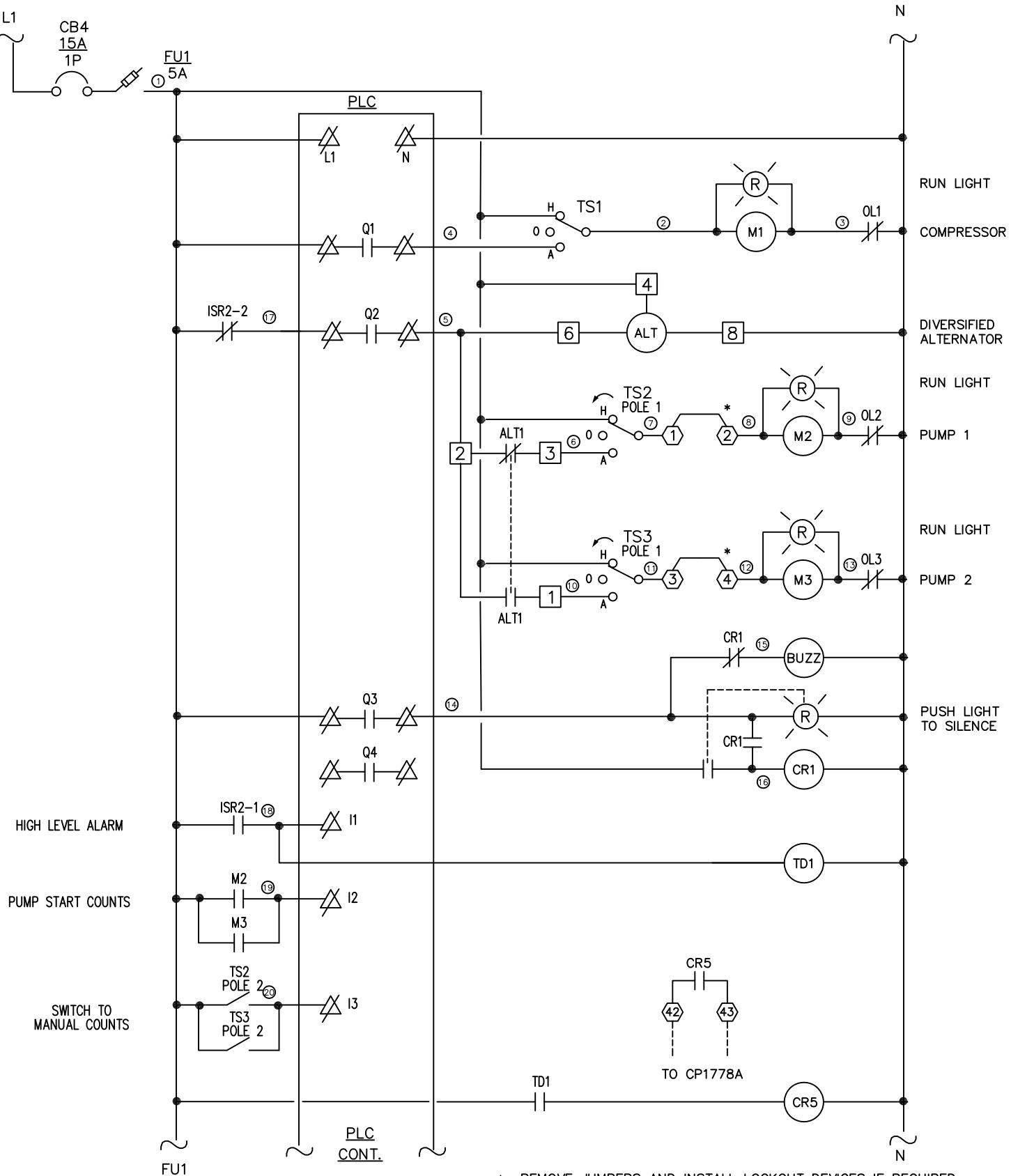
## NUTRI-CLEAR EFFLUENT CONTROL PANEL

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

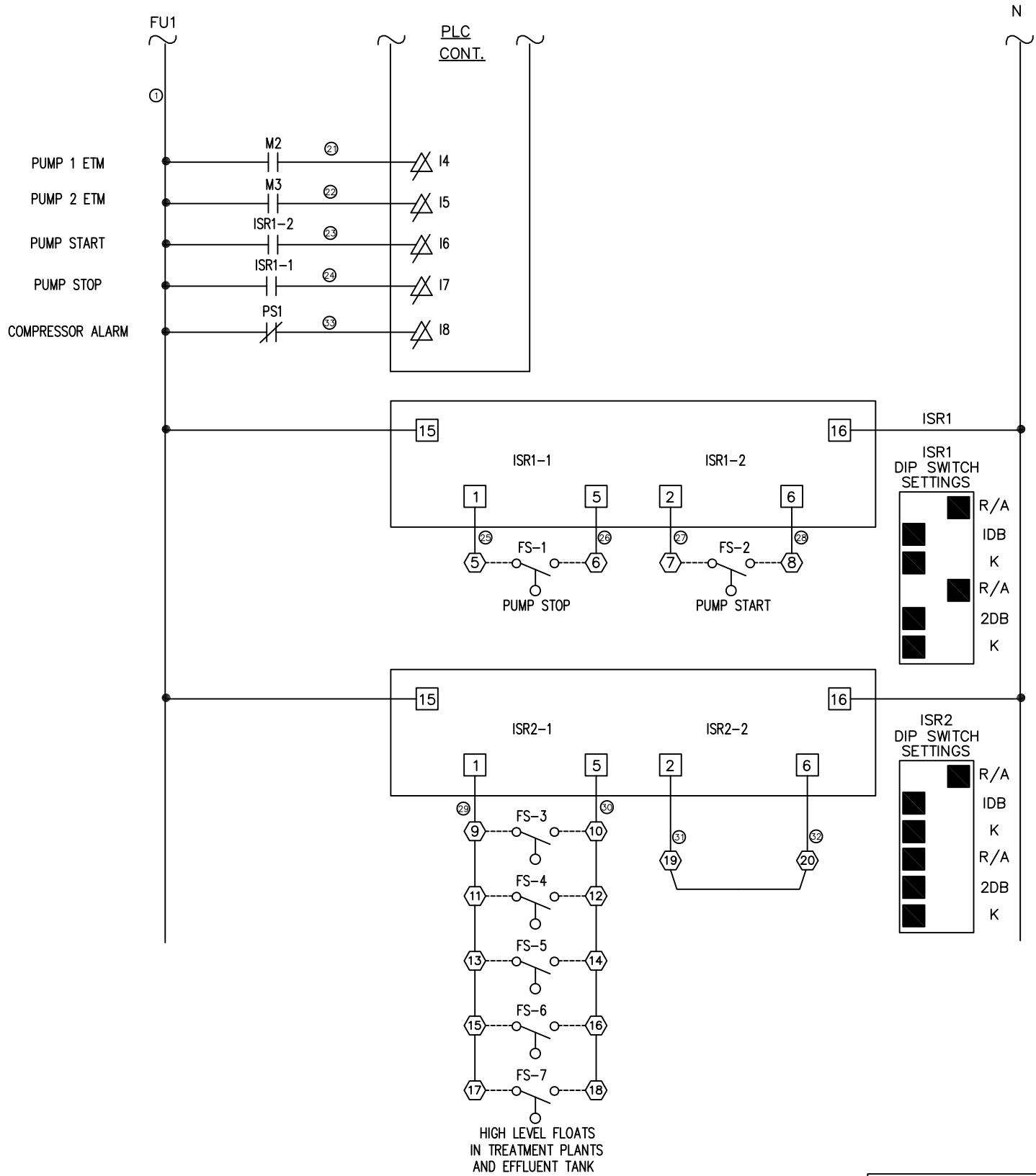


PROGRAM:  
NUTRI-CLEAR WITH PUMPS  
NC1777-V2.0  
8/12/04

	Drawing Title					
	POWER DIAGRAM					
		1	REVISION			8/13/04
	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 4/07/04	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
	C.C.		R.C.	BY C. RACHAL	BY	DATE
	Project Title			PURCHASE ORDER NUMBER		
	SCHEMATIC DIAGRAM NUTRI-CLEAR EFFLUENT CONTROL PANEL	COX	Research and Technology, Inc.	DRAWING NUMBER	CP-1777	
				SHEET NUMBER		1
				Ph. (225)756-3271		
				Fax (225)756-1030		



	Drawing Title								
	CONTROL DIAGRAM		1		REVISION		8/13/04		
DATE 4/07/04	REFERENCE DRAWING		NO. C.C.	REVISION-LOCATION		ECN DRAWN BY	DATE APPROVED BY		
	S/N	Sales Engineer		Application Engineer R.C.	REVISION-LOCATION				
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
	SCHEMATIC DIAGRAM NUTRI-CLEAR EFFLUENT CONTROL PANEL		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1777		
					SHEET NUMBER 2				

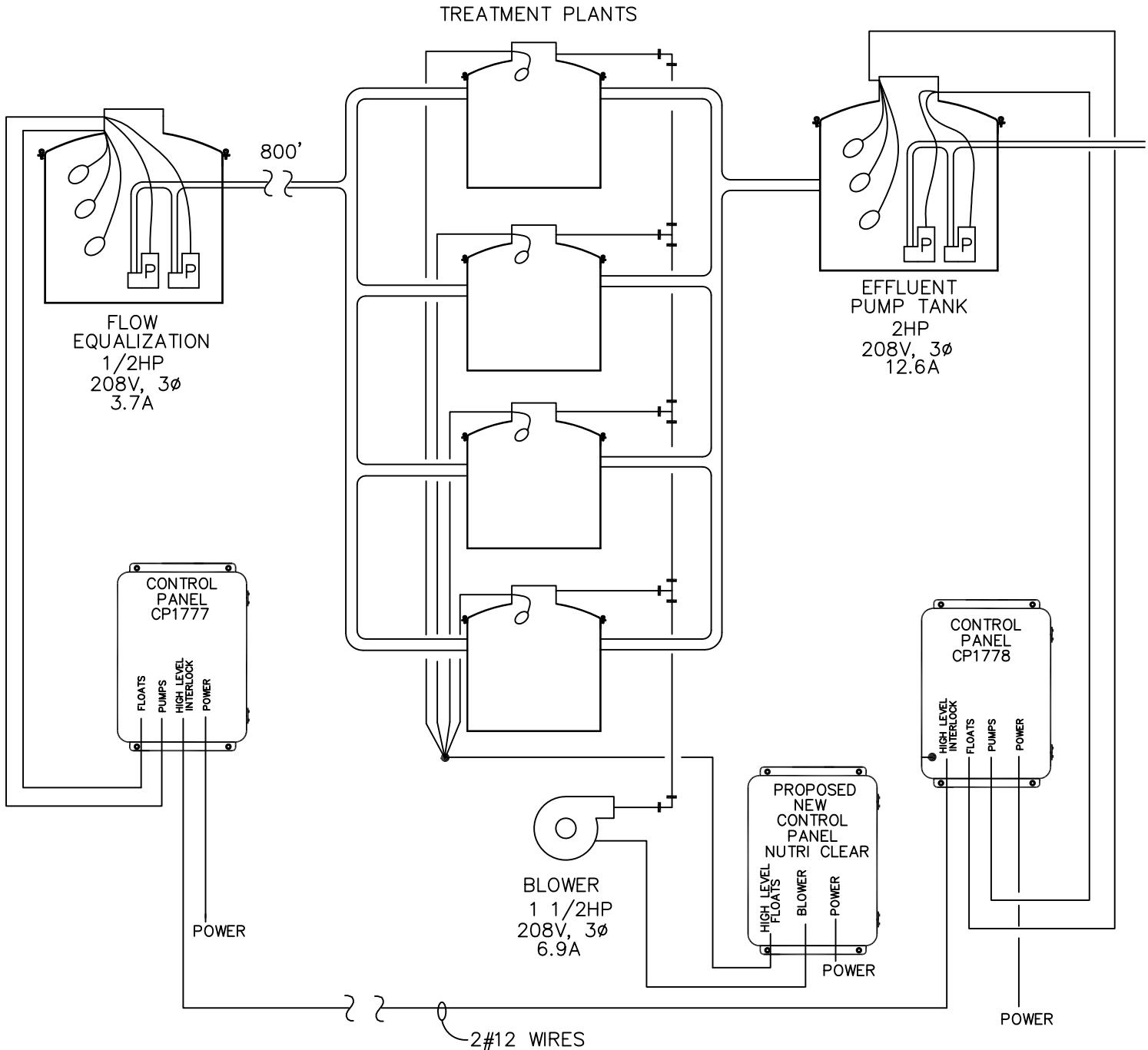


	Drawing Title							
	<b>CONTROL DIAGRAM</b>							
			1	REVISION			8/13/04	
	DATE 4/07/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE	BY
	Project Title <b>SCHEMATIC DIAGRAM NUTRI-CLEAR EFFLUENT CONTROL PANEL</b>		<b>COX</b> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
							DRAWING NUMBER CP-1777	
							SHEET NUMBER 3	

# BILL OF MATERIAL

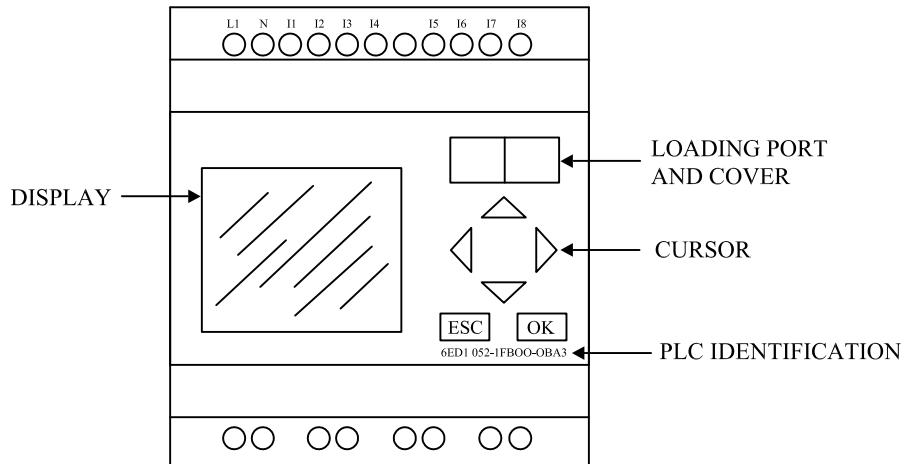
ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPL	ENCLOSURE
2	1	STAHLIN	BP1816AL	BACKPLATE
3	3	SQUARE D	QOU315	CB1,2,3
4	3	ABB	A16-30-10-84	M1,2,3
5	1	ABB	TA25DU8.0	OL1 (6.0-8.5)
6	2	ABB	TA25DU4.0	OL2,3 (2.8-4.0)
7	1	MARATHON	1323580	DISTRIBUTION BLOCK
8	1	MARATHON	1321580	NEUTRAL BLOCK
9	1	SQUARE D	QOU115	CB4
10	1	SIEMENS	LOGO	PLC
11	1	DIVERSIFIED	ARB-120-ADA	ALTERNATOR
12	3			TOGGLE SWITCHES
13	2	ACI	JR22FR	RED PILOT LIGHT
14	1	ACI	JR22BL11R	PTT LIGHT
15	1	US CONT.		BUZZER
16	2	TURCK	MK13-22EX0-R/115VAC	ISR
17	1	ABB	OT63E3	DISCONNECT SWITCH
18	2	ACI	JR22P3Y20B	HOA SWITCH 2,3
19	1	ACI	JR22P3M20B	HOA SWITCH 1
20	2	OMRON	G2R2SAC120	RELAY 1,5
21	1	OMRON	4KN15	TIME DELAY RELAY

	Drawing Title  <b>BILL OF MATERIALS</b>								
DATE 8/13/04	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  SCHEMATIC DIAGRAM NUTRI-CLEAR EFFLUENT 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-1777				
					SHEET NUMBER				



	Drawing Title					
	SITE LAYOUT					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 6/21/04		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED
			C.C.	R.C.	BY C. RACHAL	BY DATE
	Project Title			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	GRIFFIN SCHOOL	COX	Research and Technology, Inc.	Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER GRIFFIN SCHOOL	
					SHEET NUMBER	1

PLC COMPONENT  
IDENTIFICATION



FRONT VIEW OF PLC

