
COX

Research and Technology, Inc.

OMEGA PROTEIN SMALL RAW BOX GATE CONTROLS

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

VOLTAGE	120V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS		
HP		
FLA		
TYPE OF PUMP		
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4/12	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR		(Floats, Bubbler, Other)
CAPACITORS		
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		(Yes, No)

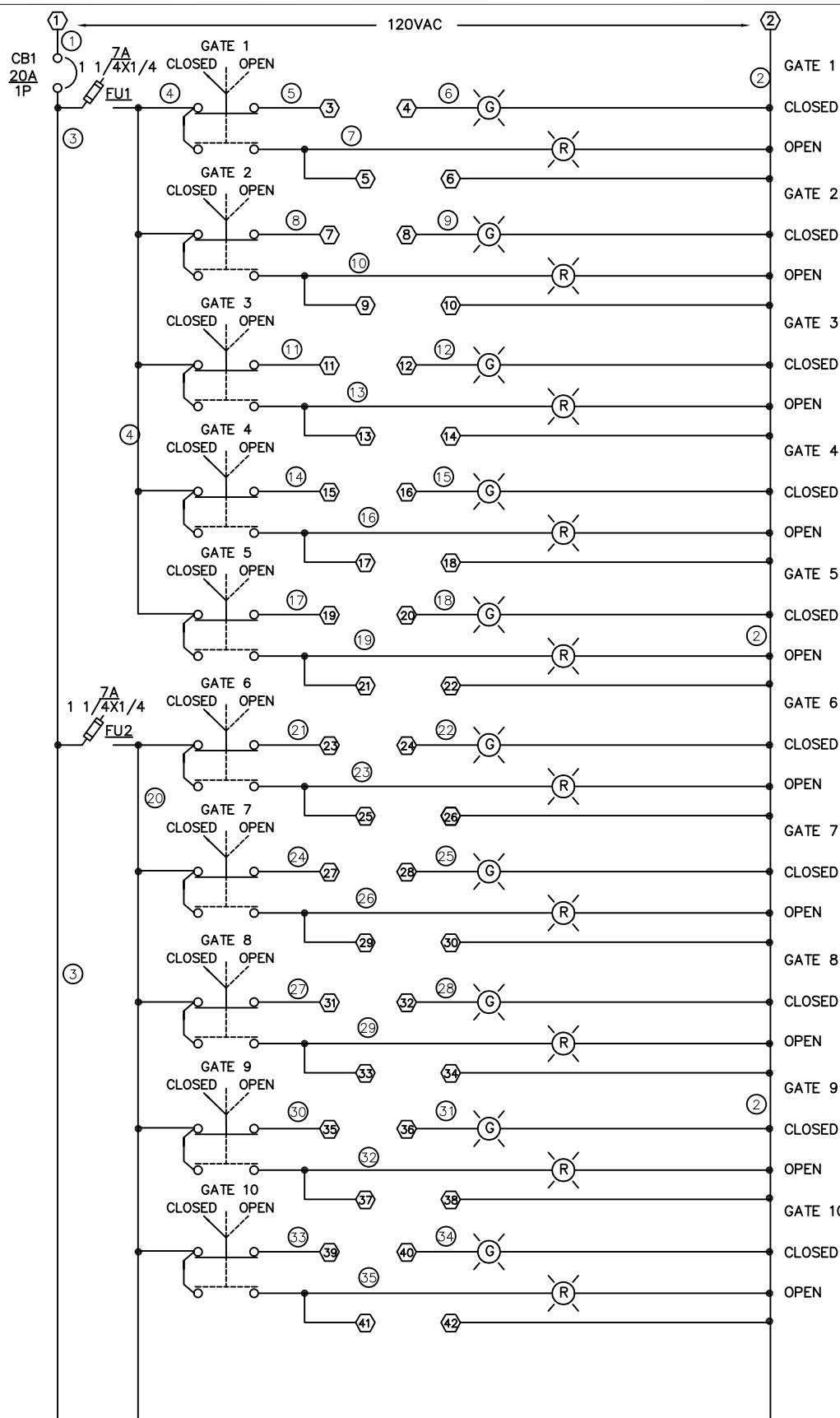
OPTIONS:

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		
ELAPSED TIME METER		
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Omega Protein, Inc.
TAG : Small Raw Box Gate Controls

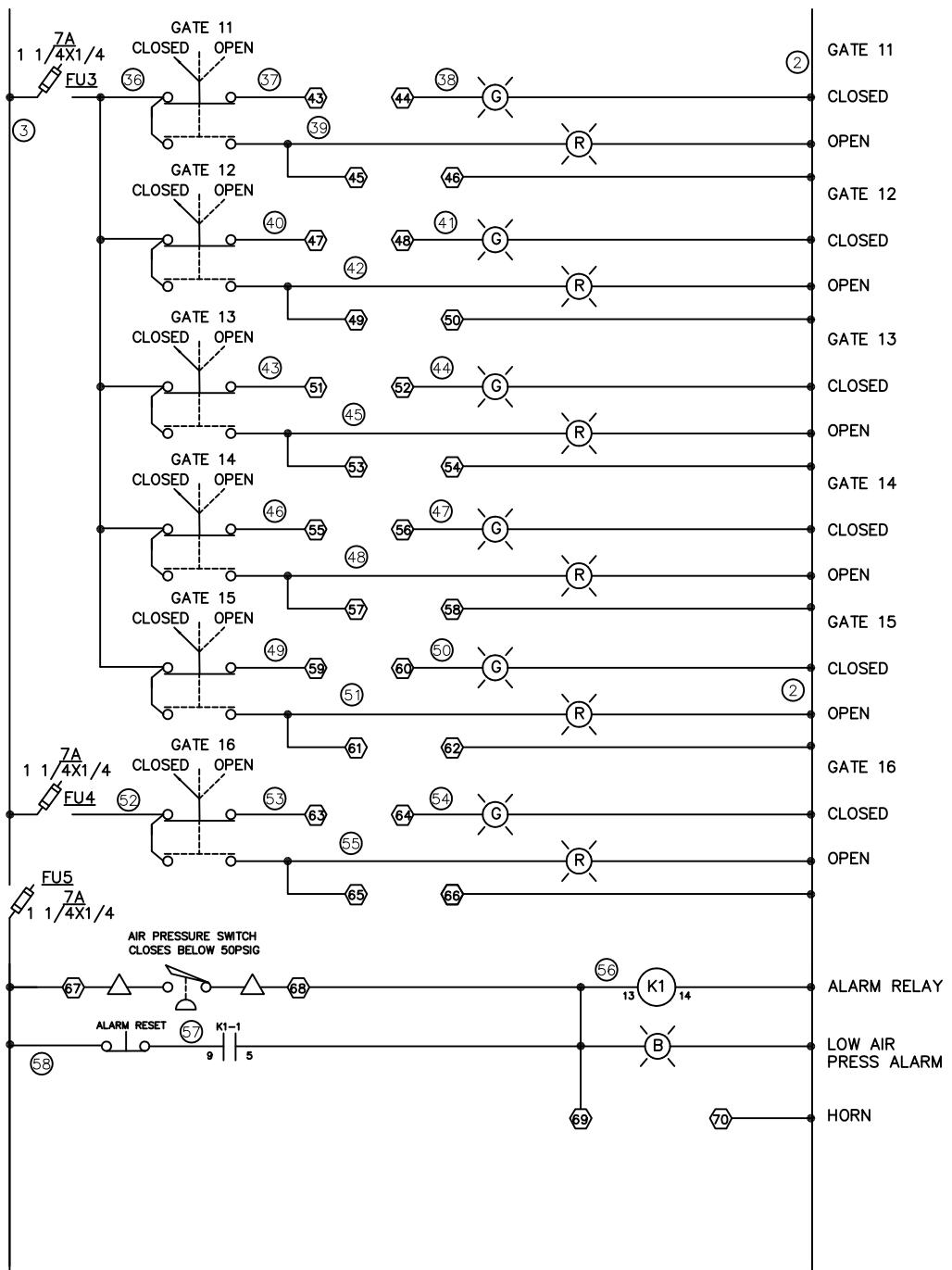
SHIP TO: Omega Protein, Inc.
9730 Andrew Rd.
Abbeville, LA 70510

	Drawing Title							
	PANEL DESCRIPTION							
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
		S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	BY
DATE 12/30/03			C.C.	R.C.	BY C. RACHAL		BY	DATE
	Project Title SMALL RAW BOX GATE CONTROLS	<u>COX</u> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1705		SHEET NUMBER 1	



 TERMINAL IN CONTROL CABINET
----- FIELD WIRING
 TERMINAL @ PRESSURE SWITCH

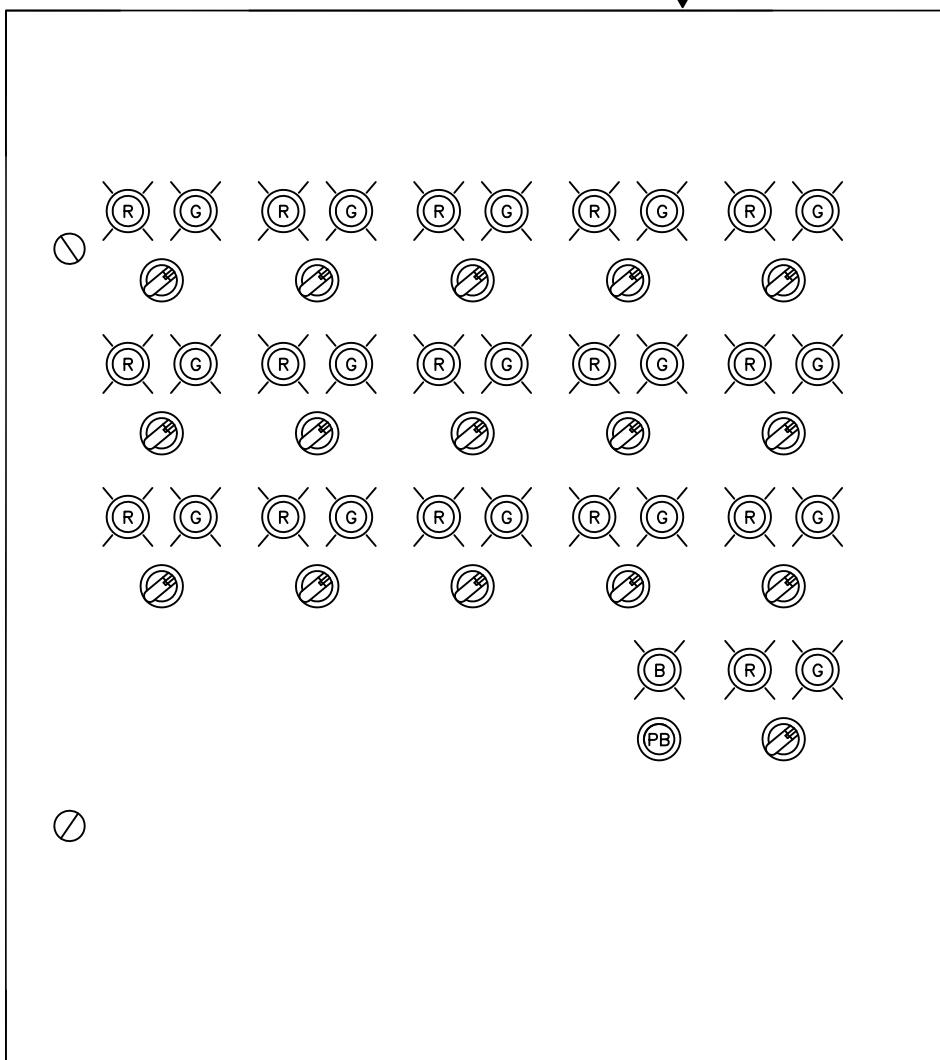
	Drawing Title CONTROL DIAGRAM							
DATE 12/30/03		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY DATE		
	Project Title SMALL RAW BOX GATE CONTROLS	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
					Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1705		
						SHEET NUMBER 2		



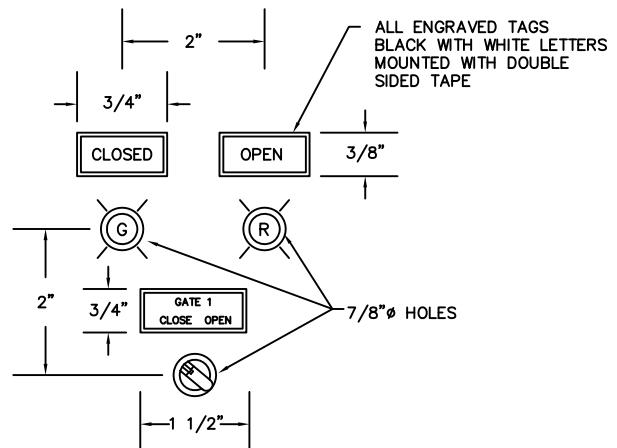
○ TERMINAL IN CONTROL CABINET
 — FIELD WIRING
 △ TERMINAL @ PRESSURE SWITCH

	Drawing Title					
	CONTROL DIAGRAM					
DATE 12/30/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN	DATE APPROVED BY
				BY C. RACHAL	BY	DATE
	Project Title			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	SMALL RAW BOX GATE CONTROLS		COX Research and Technology, Inc.	Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1705	
					SHEET NUMBER 3	

NEMA 4/12 P.S. ENCLOSURE

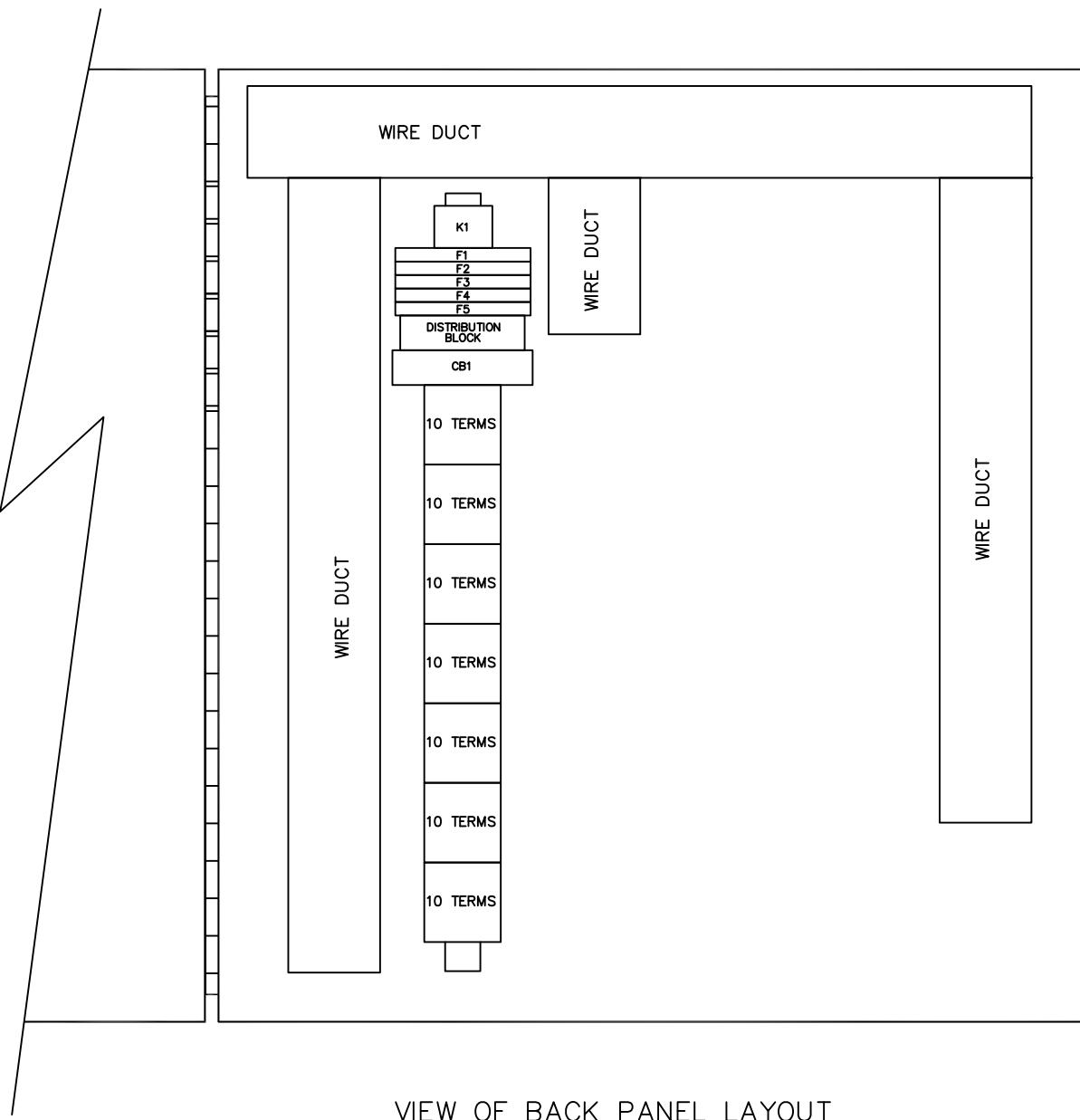


VIEW OF FRONT OF PANEL



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					
DATE 12/30/03	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE	BY
Project Title SMALL RAW BOX GATE CONTROLS	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-1705 SHEET NUMBER 4			



VIEW OF BACK PANEL LAYOUT

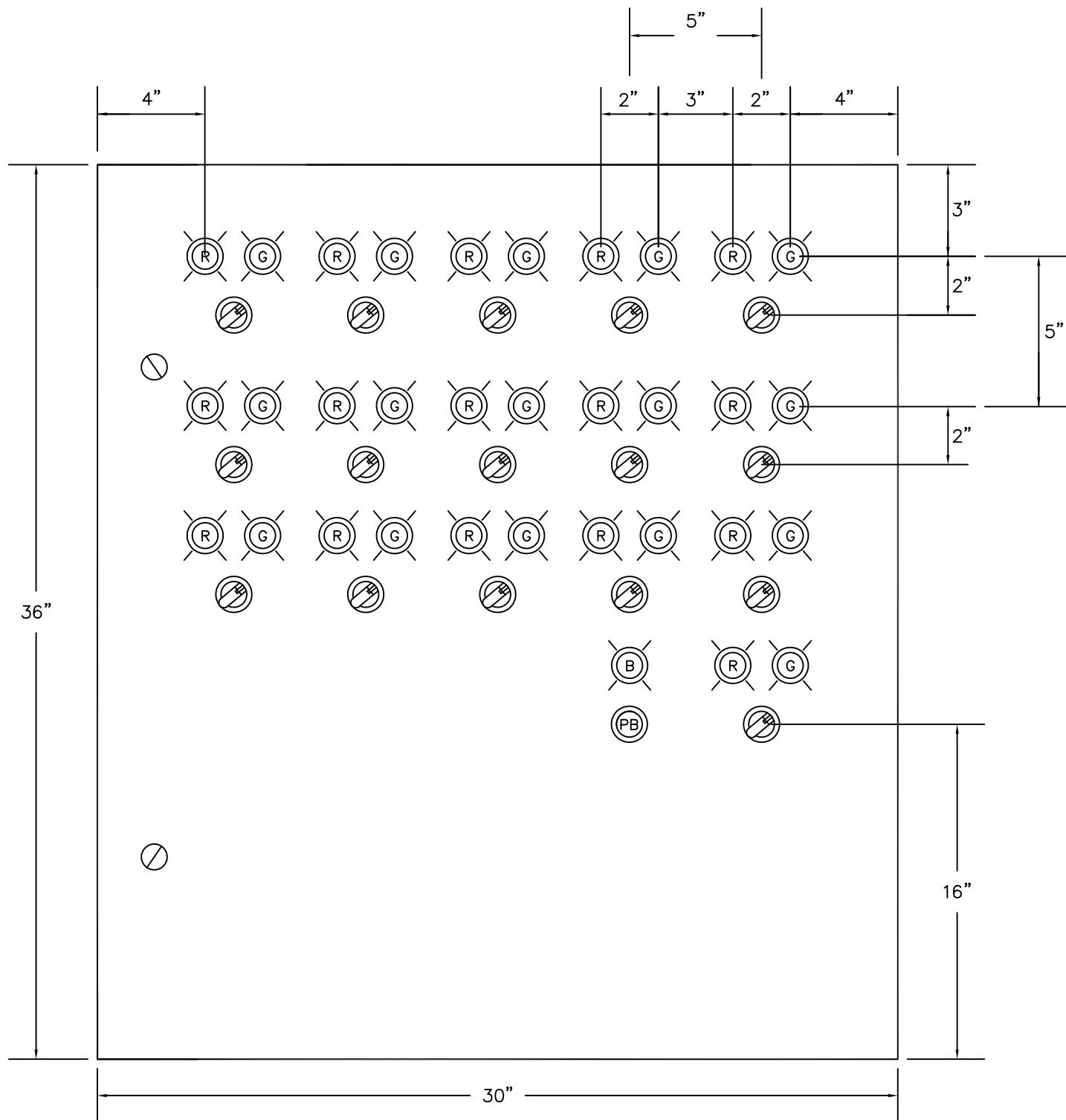
NOTE:
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

	Drawing Title ENCLOSURE					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN R.C. BY C. RACHAL	ECN APPROVED BY DATE	BY
DATE 12/30/03	Project Title SMALL RAW BOX GATE CONTROLS	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-1705 SHEET NUMBER 5

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	16	AUTODIRECT	ECX1051-120	IND LAMP RED
2	16	AUTODIRECT	ECX1052-120	IND LAMP GREEN
3	1	AUTODIRECT	ECX1054-120	IND LAMP BLUE
4	16	AUTODIRECT	GCX1300	2 POS SW
5	4	AUTODIRECT	ECX1030-5	NC CONTACT
6	1	AUTODIRECT	GCX1100	PUSH BUTTON SW BL
7	1	EBE	36308N412	CABINET
8	1	EBE	3630P	BACK PLATE
9	70	WIELAND	57.504.0055.0	TERMINALS
10	1	WIELAND	07.311.0155.0	END PLATE
11	5	ENTRELEC	019909513	FUSE BLOCK
12	1	ABB	98.300.1000.0	DIN RAIL 6'
13	2	ACI	SCUSL	END BLOCK
14	2	WIELAND	Z4.242.6053.0	MARKING CARD
15	1	IDEC	RH2BUAC120V	2 POLE RELAY
16	1	IDEC	SH2B05	2 POLE RELAY BASE
17	1	ABB	05167	2X2 W/COVER 6'
18	48	BAYOU INDUST.		PLASTIC I.D. TAGS
19	1	SQUARE D	QUO120	CB1
20	1	MARATHON	1321580	DISTRIBUTION BLOCK
21				
22				
23				
24				
25				

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 12/30/03			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
				C.C.	R.C.	BY C. RACHAL	BY	DATE	
	Project Title		COX		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1705 SHEET NUMBER 6				
	SMALL RAW BOX GATE CONTROLS		Research and Technology, Inc.						



HOLE LAYOUT

36308N412
50 HOLES - 7/8" Ø (22 mm)

CP-1705