
COX

Research and Technology, Inc.

OMEGA PROTEIN
LARGE 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

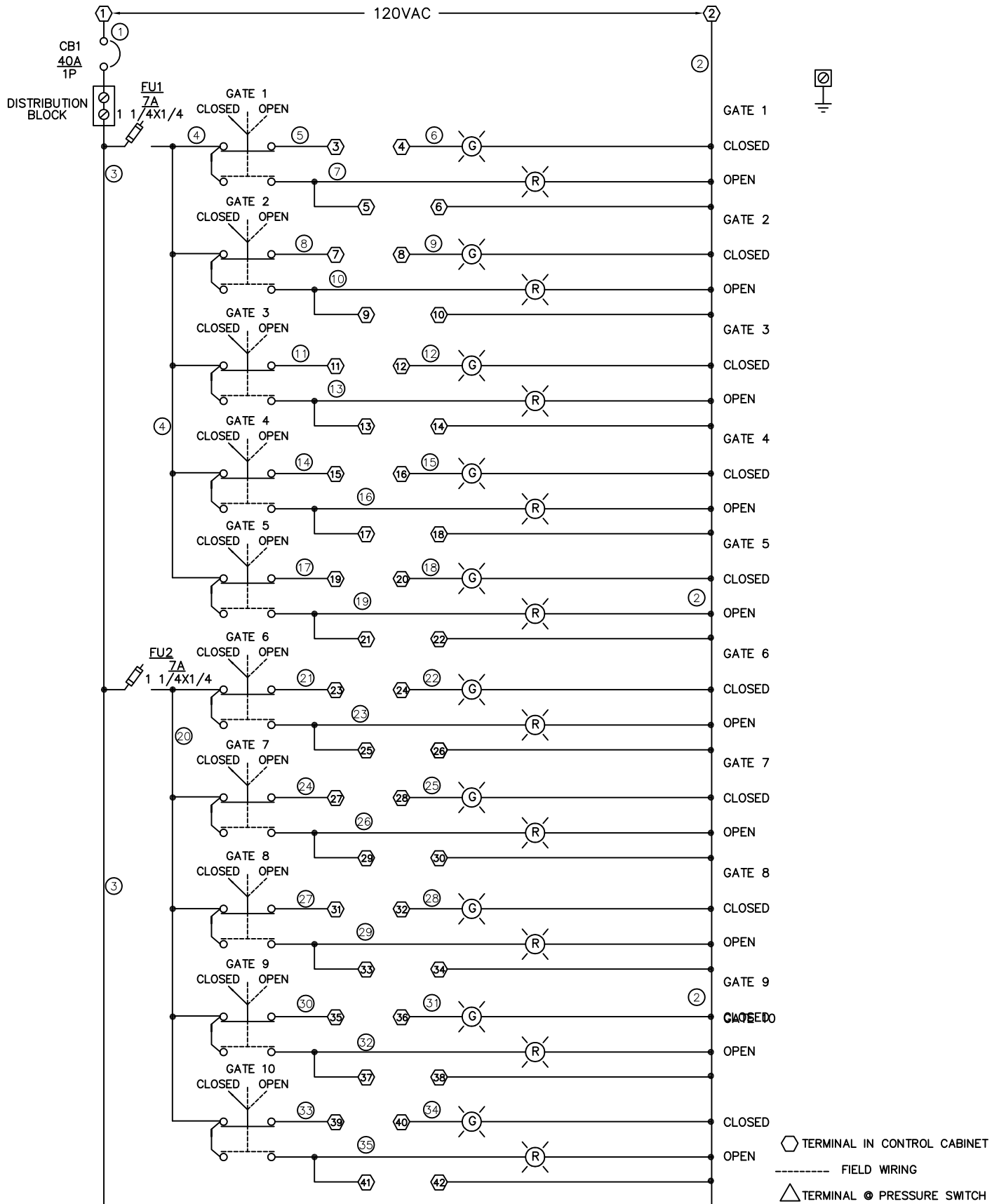
CP-1704

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		(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

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	_____	

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

[illegible]



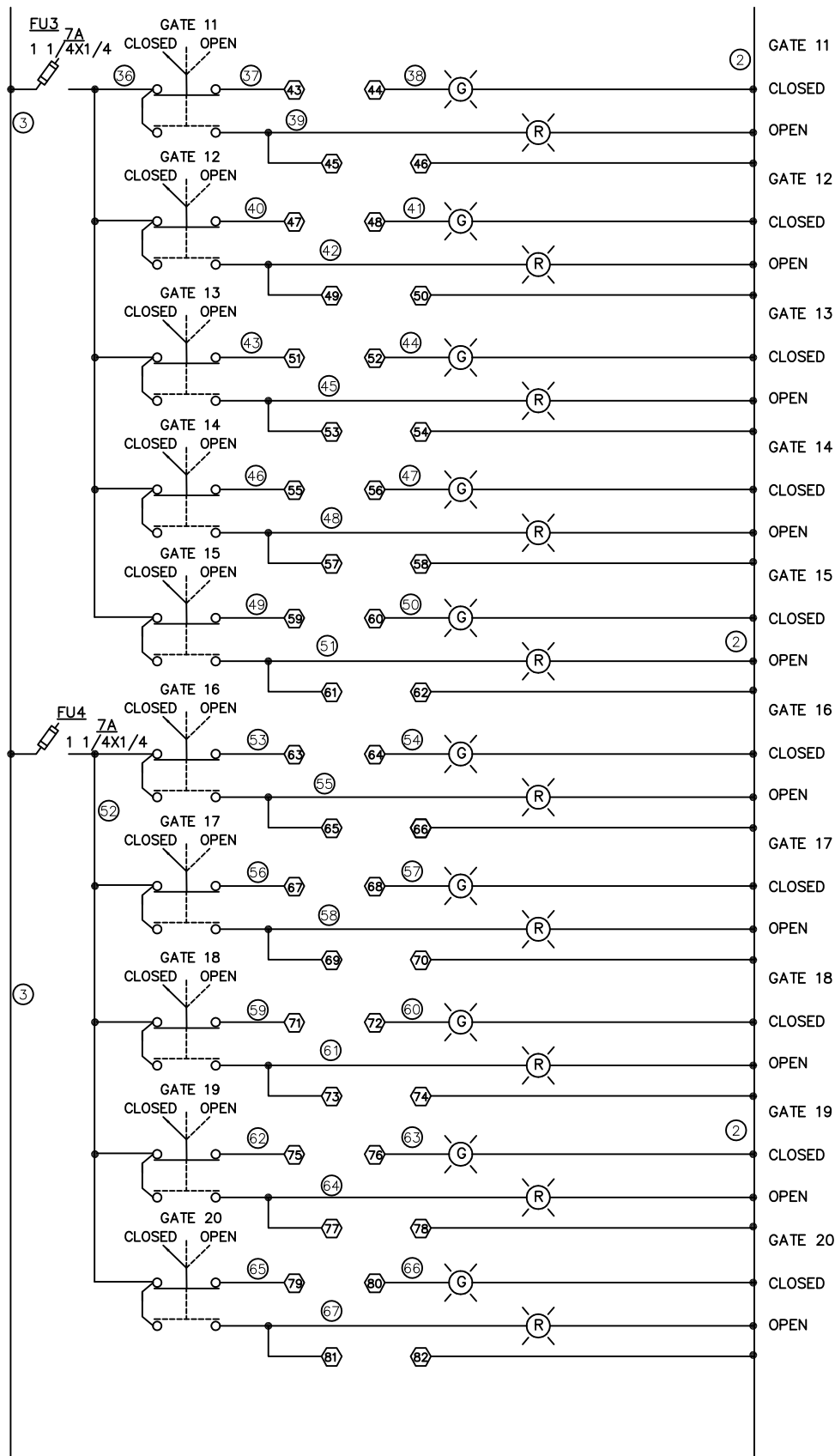
	Drawing Title CONTROL DIAGRAM								
DATE 12/30/03			REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.		DRAWN BY C. RACHAL	ECN BY
	Project Title LARGE RAW BOX GATE CONTROLS		COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1704 SHEET NUMBER	
								2	

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

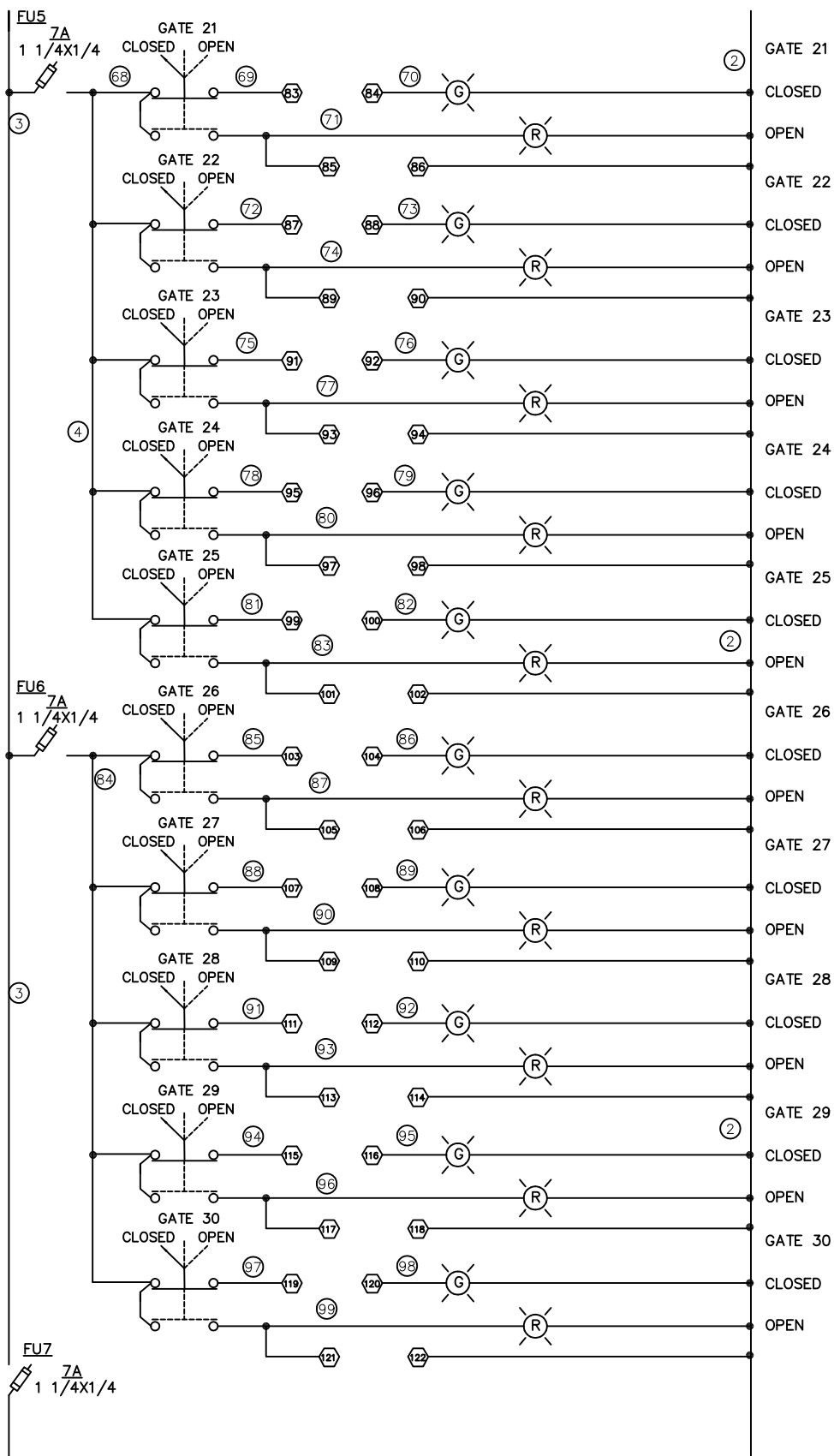
	Drawing Title <	
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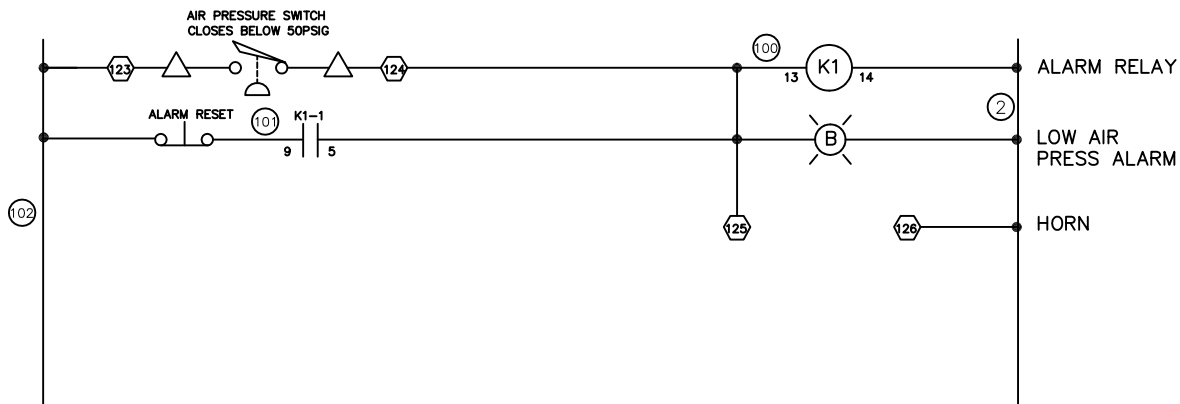
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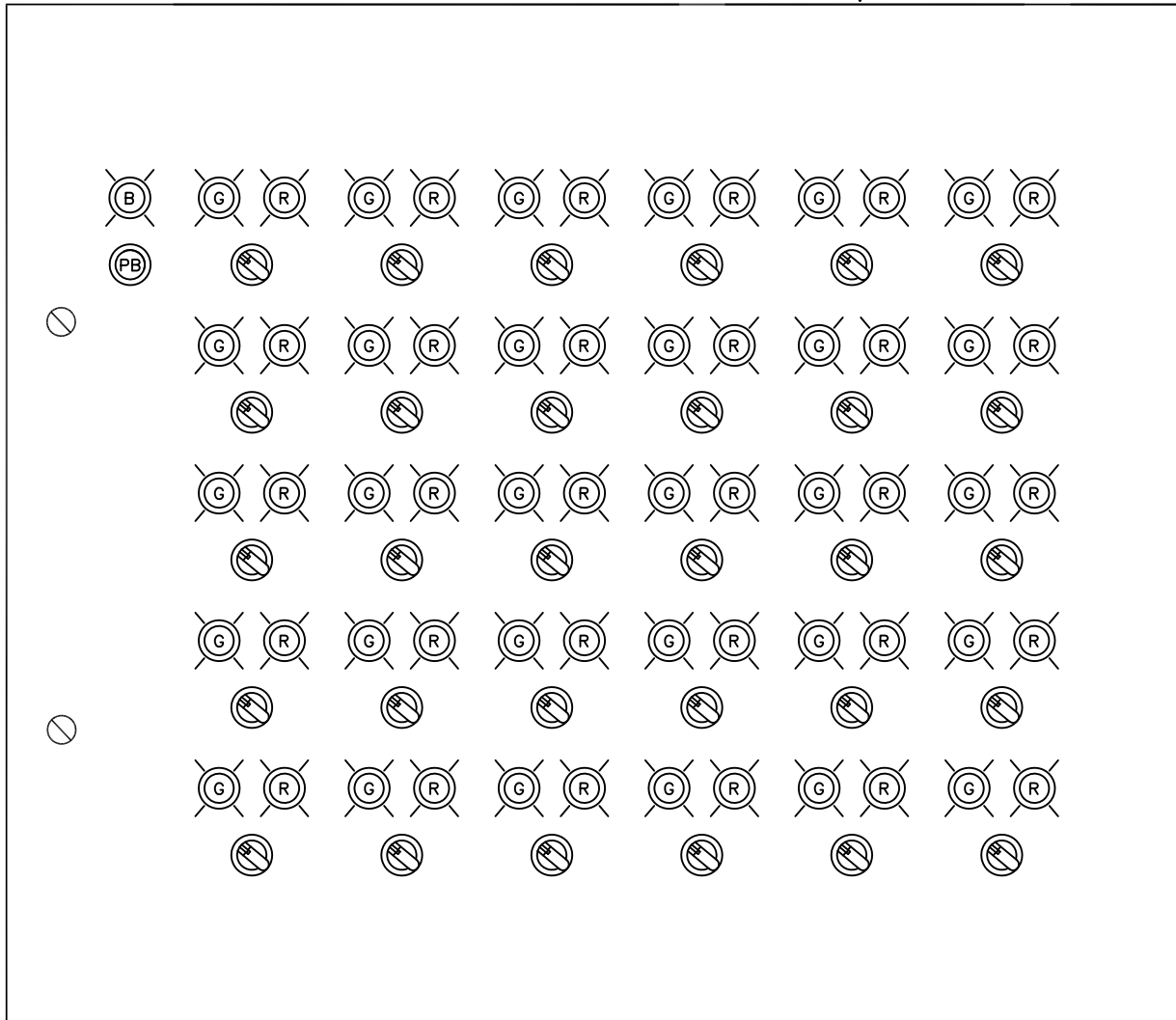
◻ TERMINAL IN CONTROL CABINET
 ----- FIELD WIRING
 △ TERMINAL ◉ PRESSURE SWITCH

	Drawing Title CONTROL DIAGRAM							
DATE 12/30/03			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
				BY	C. RACHAL	BY	DATE	
	Project Title LARGE RAW BOX GATE CONTROLS		<div>COX</div> <div>Research and Technology, Inc.</div>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER	
DRAWING NUMBER CP-1704								
SHEET NUMBER								
4								

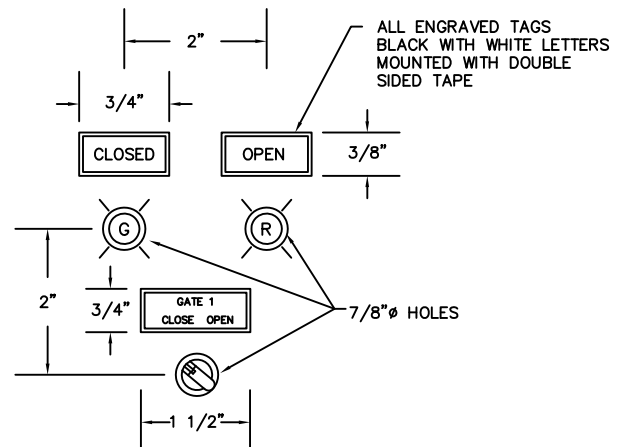


TERMINAL IN CONTROL CABINET
 ----- FIELD WIRING
 TERMINAL PRESSURE SWITCH

	Drawing Title						
	CONTROL DIAGRAM						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
12/30/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED	
	Project Title				PURCHASE ORDER NUMBER		
	LARGE RAW BOX GATE CONTROLS	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		
					DRAWING NUMBER CP-1704		
					SHEET NUMBER 5		

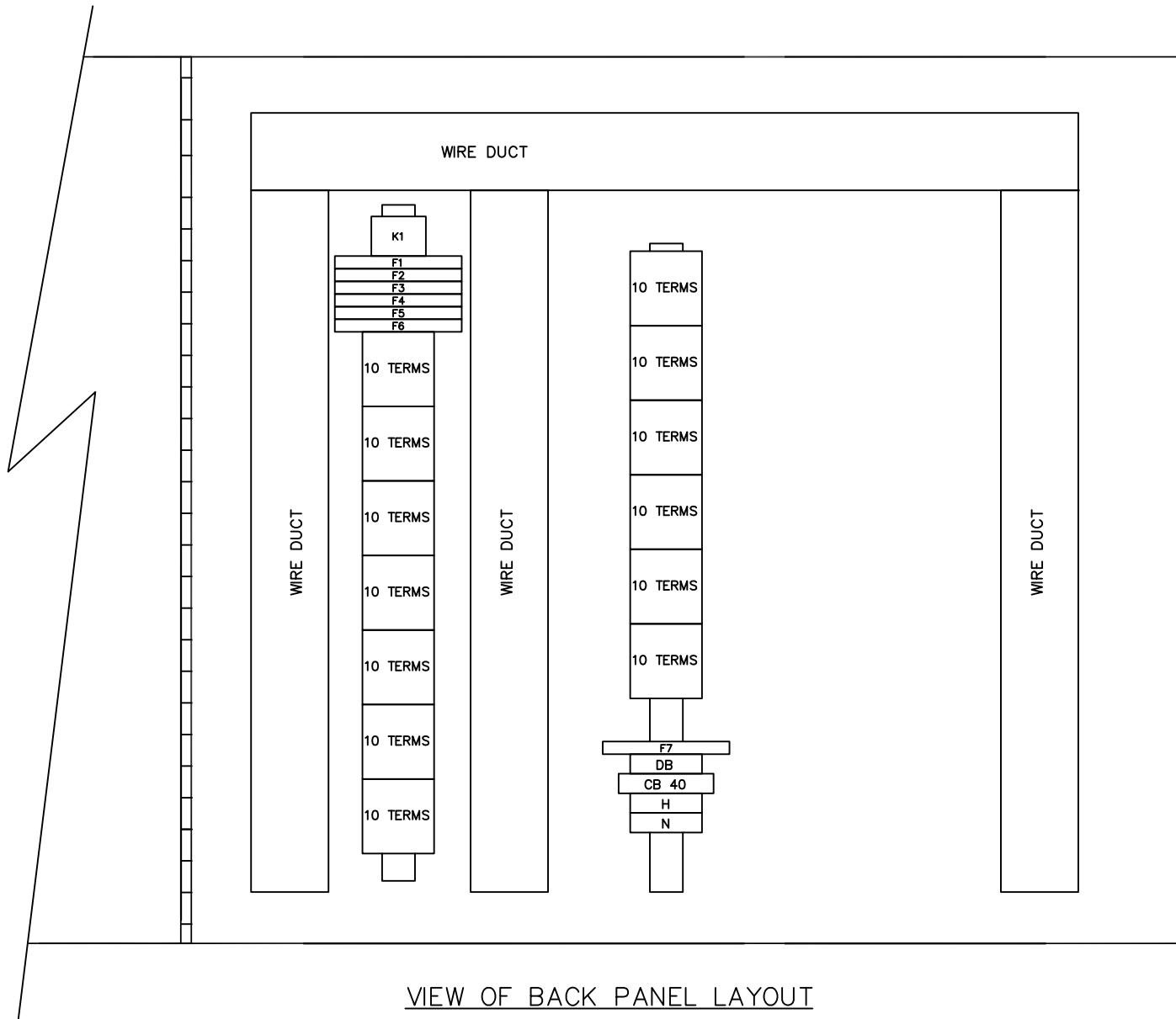


VIEW OF FRONT OF PANEL



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. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.		ECN BY C. RACHAL	DATE BY
	Project Title LARGE 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-1704 SHEET NUMBER 6	



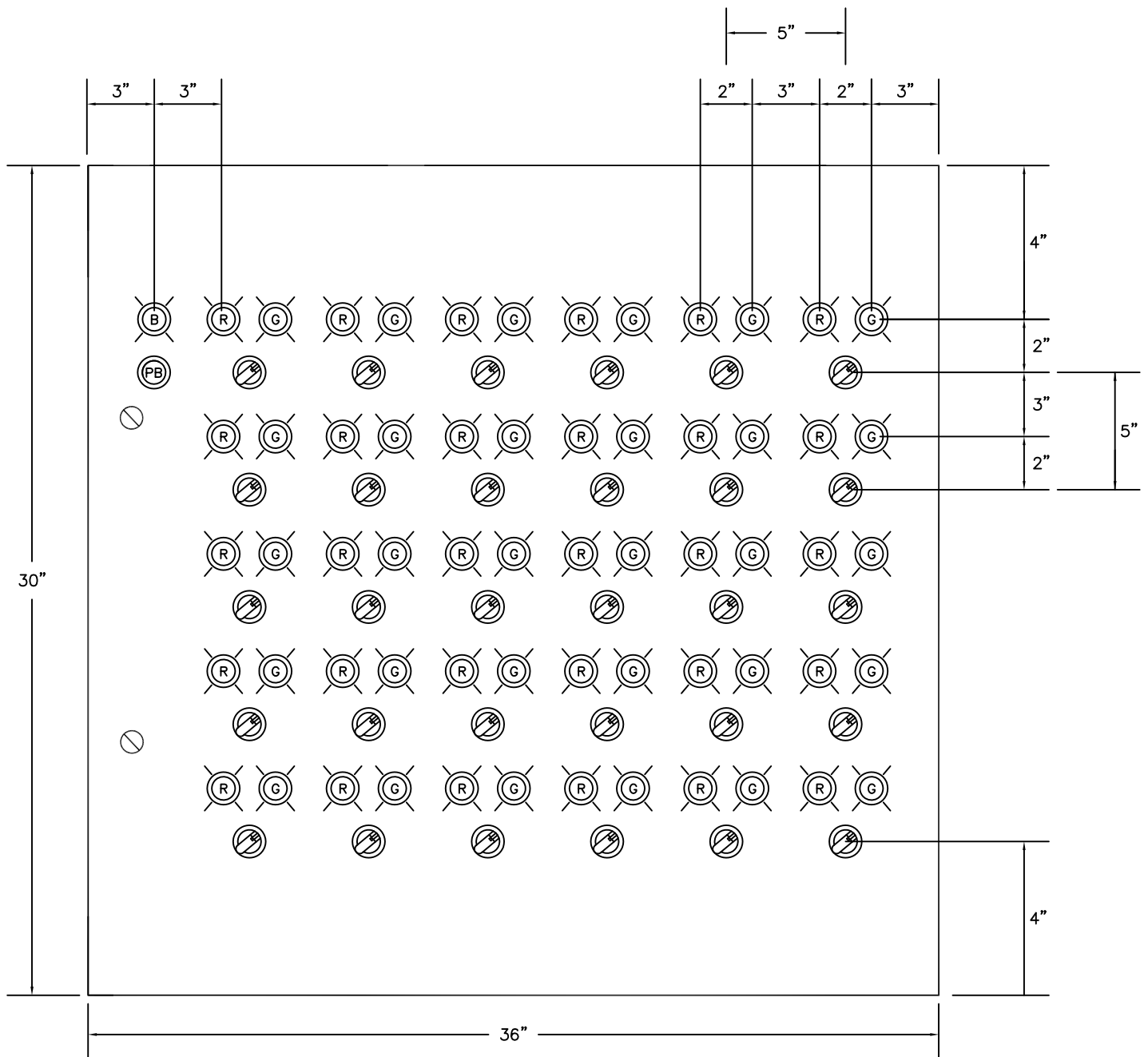
NOTE:
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
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	ENCLOSURE						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
12/30/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED	
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1704 SHEET NUMBER 7
	LARGE RAW BOX GATE CONTROLS						

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	30	AUTODIRECT	ECX1051-120	IND LAMP RED
2	30	AUTODIRECT	ECX1052-120	IND LAMP GREEN
3	1	AUTODIRECT	ECX1054-120	IND LAMP BLUE
4	30	AUTODIRECT	GCX1300	2 POS SW
5	6	AUTODIRECT	ECX1030-5	NC CONTACT
6	1	AUTODIRECT	GCX1103	PUSH BUTTON SW YE
7	1	EBE	30368N412	CABINET
8	1	EBE	3036P	BACK PLATE
9	126	WIELAND	57.504.0055.0	TERMINALS
10	1	WIELAND	07.311.0155.0	END PLATE
11	7	WIELAND	57.904.5355.0	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	96	BAYOU INDUST.		PLASTIC I.D. TAGS
19	1	SQUARE D	QOU140	CIRCUIT BREAKER
20	1	MARATHON	1321580	DISTRIBUTION BLOCK
21				
22				
23				
24				
25				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 12/29/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP-1704</div> SHEET NUMBER
	<h2 style="margin: 0;">LARGE RAW BOX GATE CONTROLS</h2>						5



HOLE LAYOUT

CP-1704

30368N412
92 HOLES - 7/8" Ø (22mm)