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COX

Research and Technology, Inc.

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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

CP-1705

VOLTAGE	120V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS		
HP		
FLA		
TYPE OF PUMP		(Self-Priming, Submersible)
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		(Yes, No)
CAPACITOR WIRING FIGURE		
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		
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


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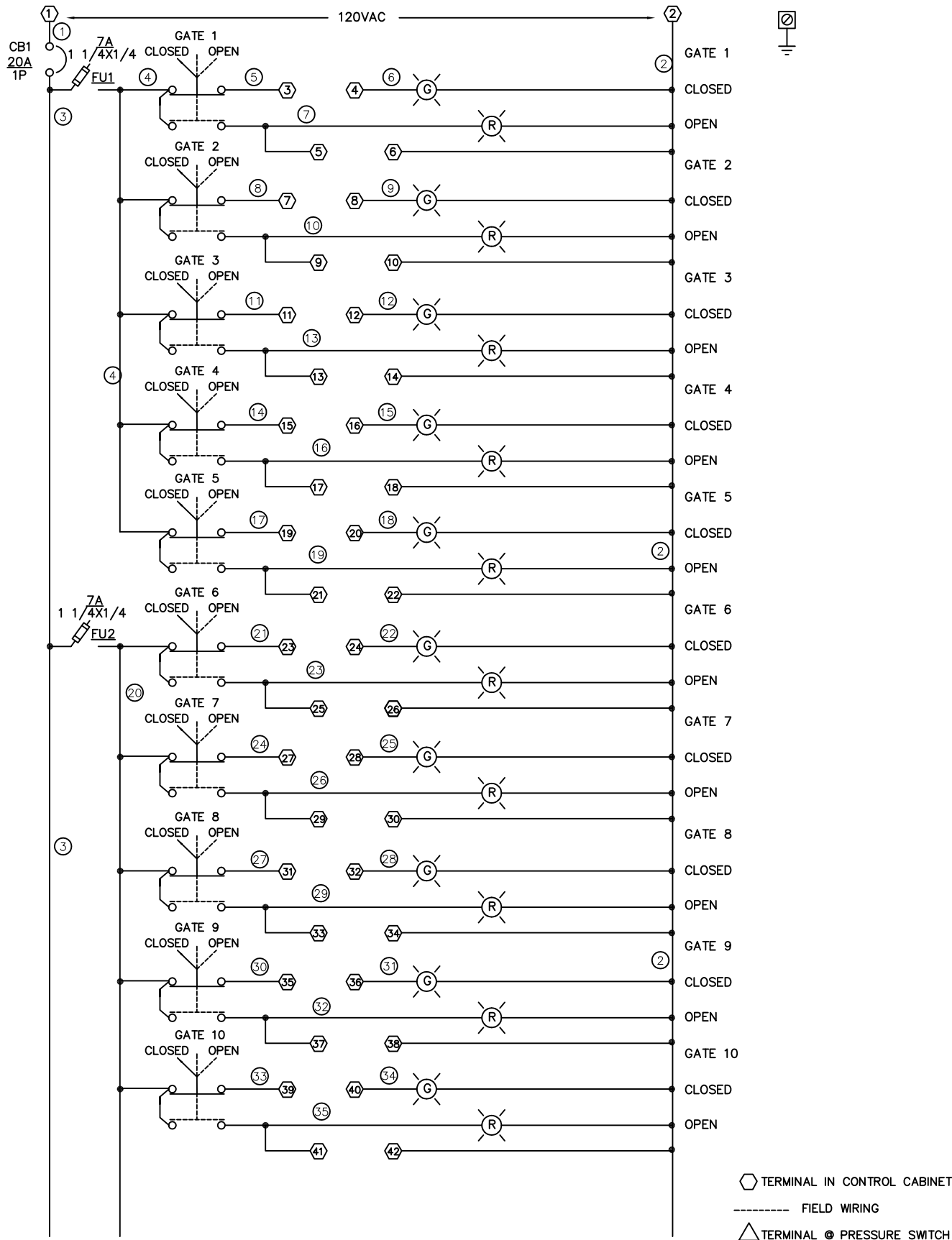
SHIP TO: Omega Protein, Inc.

9730 Andrew Rd.

Abbeville, LA 70510

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	Drawing Title						
	PANEL DESCRIPTION						
DATE 12/30/03		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="text-align: center;">   <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	SMALL RAW BOX GATE CONTROLS				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1705
							SHEET NUMBER 1



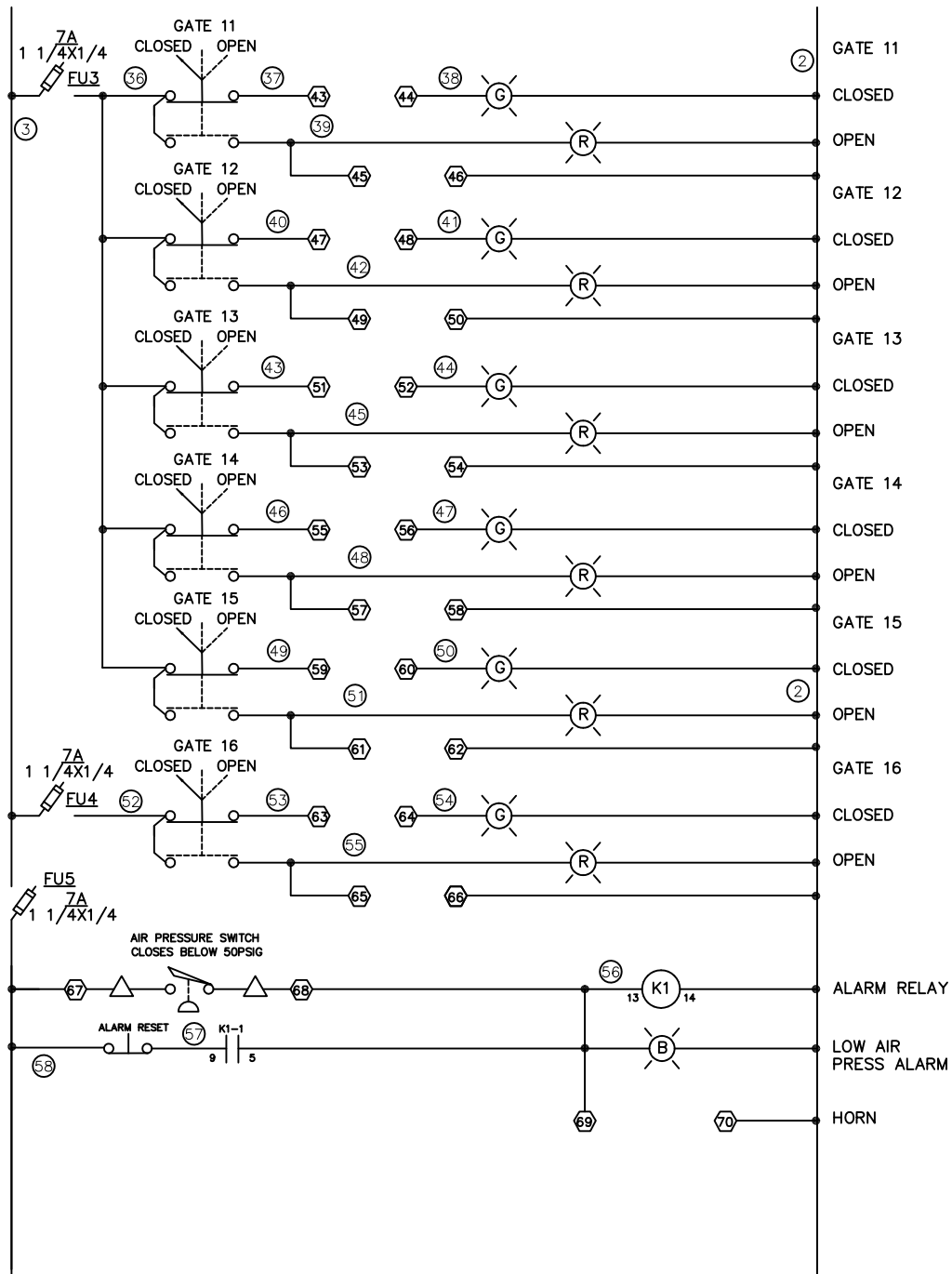
	Drawing Title								
	CONTROL DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
12/30/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL				
	Project Title							PURCHASE ORDER NUMBER	
	SMALL RAW BOX GATE CONTROLS							DRAWING NUMBER CP-1705	
								SHEET NUMBER	2

**COX**

Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809

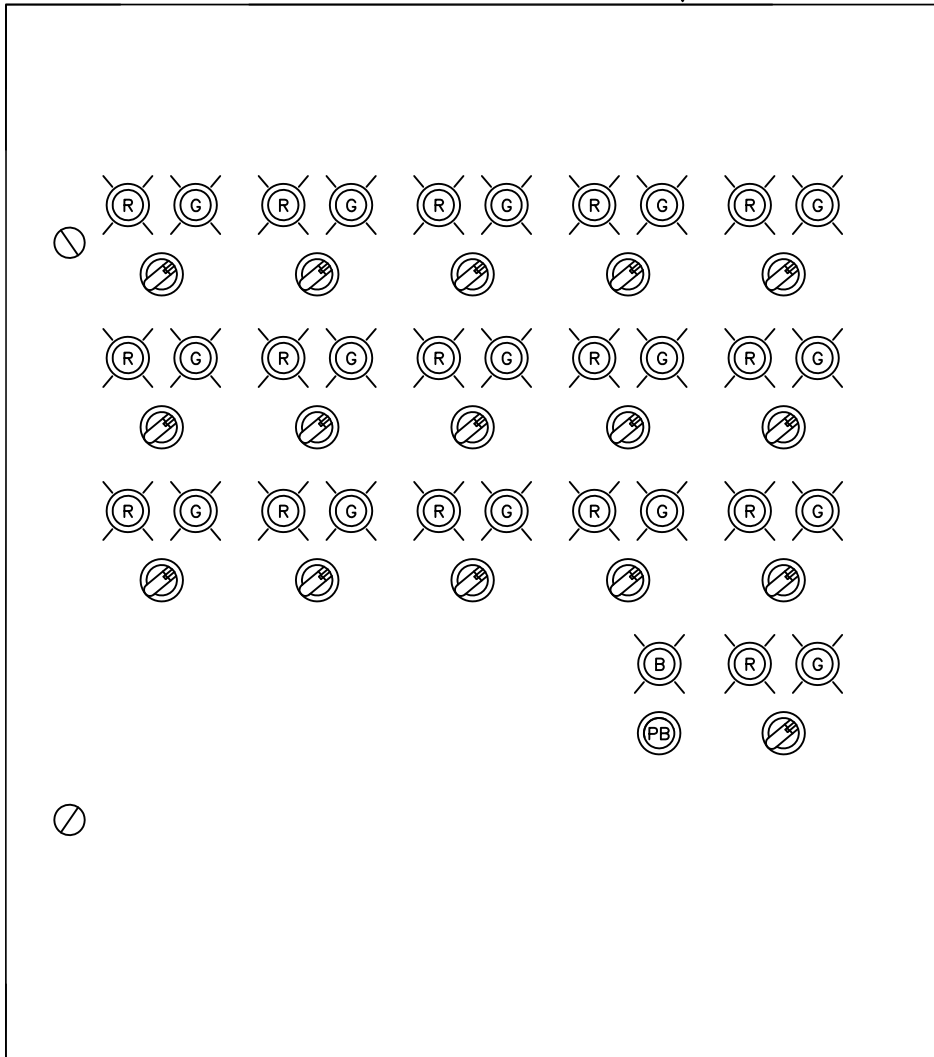
Ph. (225)756-3271  
Fax (225)756-1030



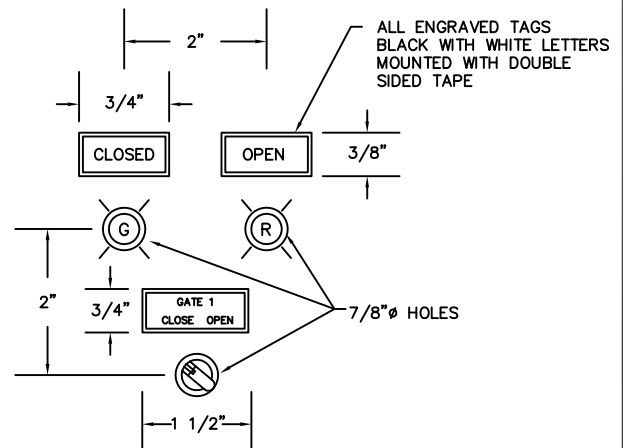
◻ TERMINAL IN CONTROL CABINET  
 ----- FIELD WIRING  
 △ TERMINAL ● PRESSURE SWITCH

	Drawing Title								
	CONTROL DIAGRAM								
DATE	12/30/03	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	BY	DATE		
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
	SMALL RAW BOX GATE CONTROLS	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

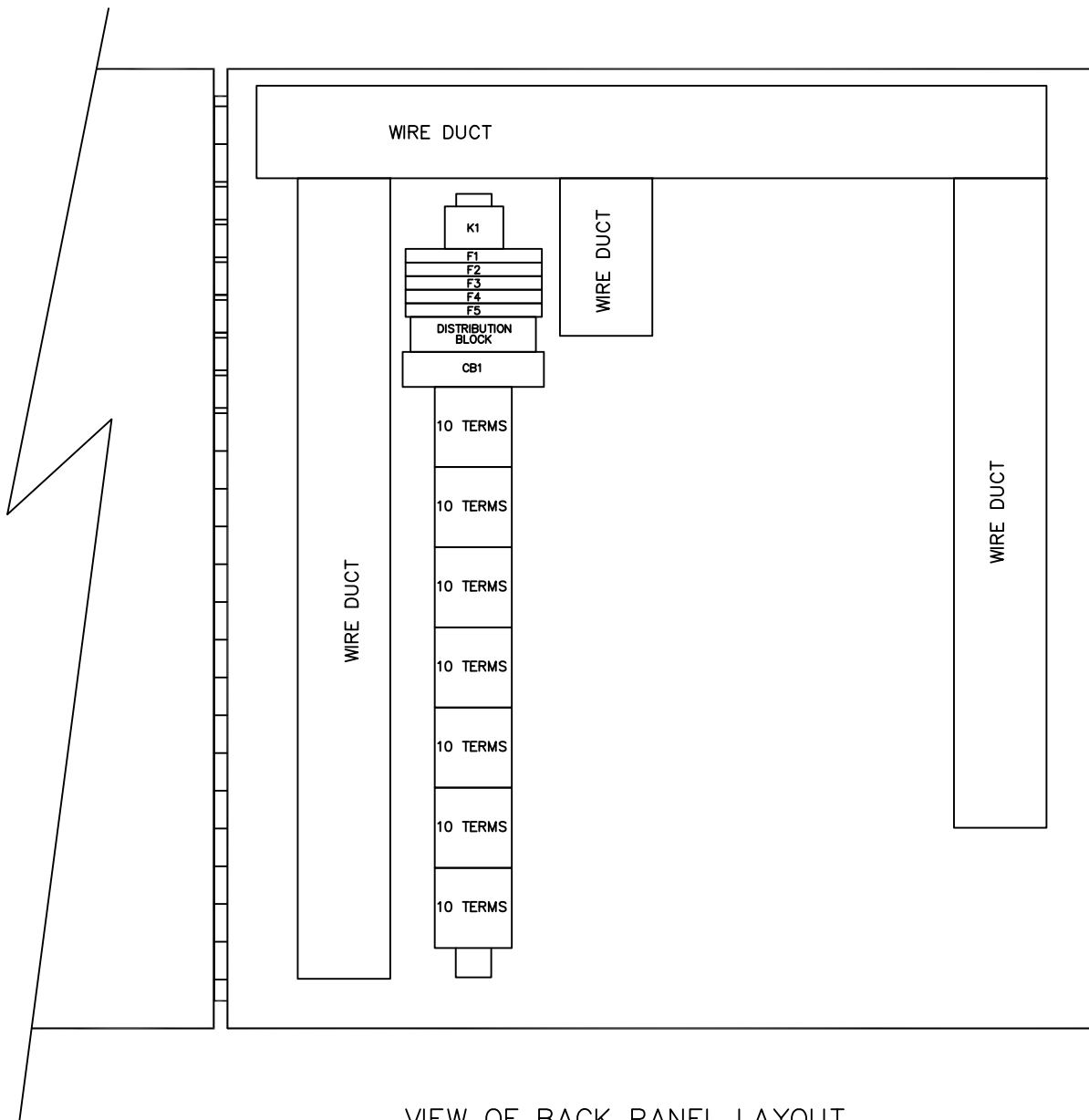


VIEW OF FRONT OF PANEL



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

	Drawing Title  	
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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							
DATE 12/30/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title	DRAWN BY C. RACHAL			APPROVED BY		DATE	
	SMALL RAW BOX GATE CONTROLS	<div>COX</div> <div>Research and Technology, Inc.</div>			PURCHASE ORDER NUMBER			
					DRAWING NUMBER CP-1705			
					SHEET NUMBER			5
		P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030						

## 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	QOU120	CB1
20	1	MARATHON	1321580	DISTRIBUTION BLOCK
21				
22				
23				
24				
25				

	Drawing Title						
	<h3 style="margin: 0;">BILL OF MATERIALS</h3>						
DATE 12/30/03		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-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <h2 style="margin: 0;">COX</h2> <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 CP-1705  SHEET NUMBER
	SMALL RAW BOX GATE CONTROLS						6



CP-1705