
COX

Research and Technology, Inc.

CONTROL PANEL 1
FINISHED WATER PUMPS
(IN CONTROL ROOM)
MANY, LA

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

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

OPTIONS:

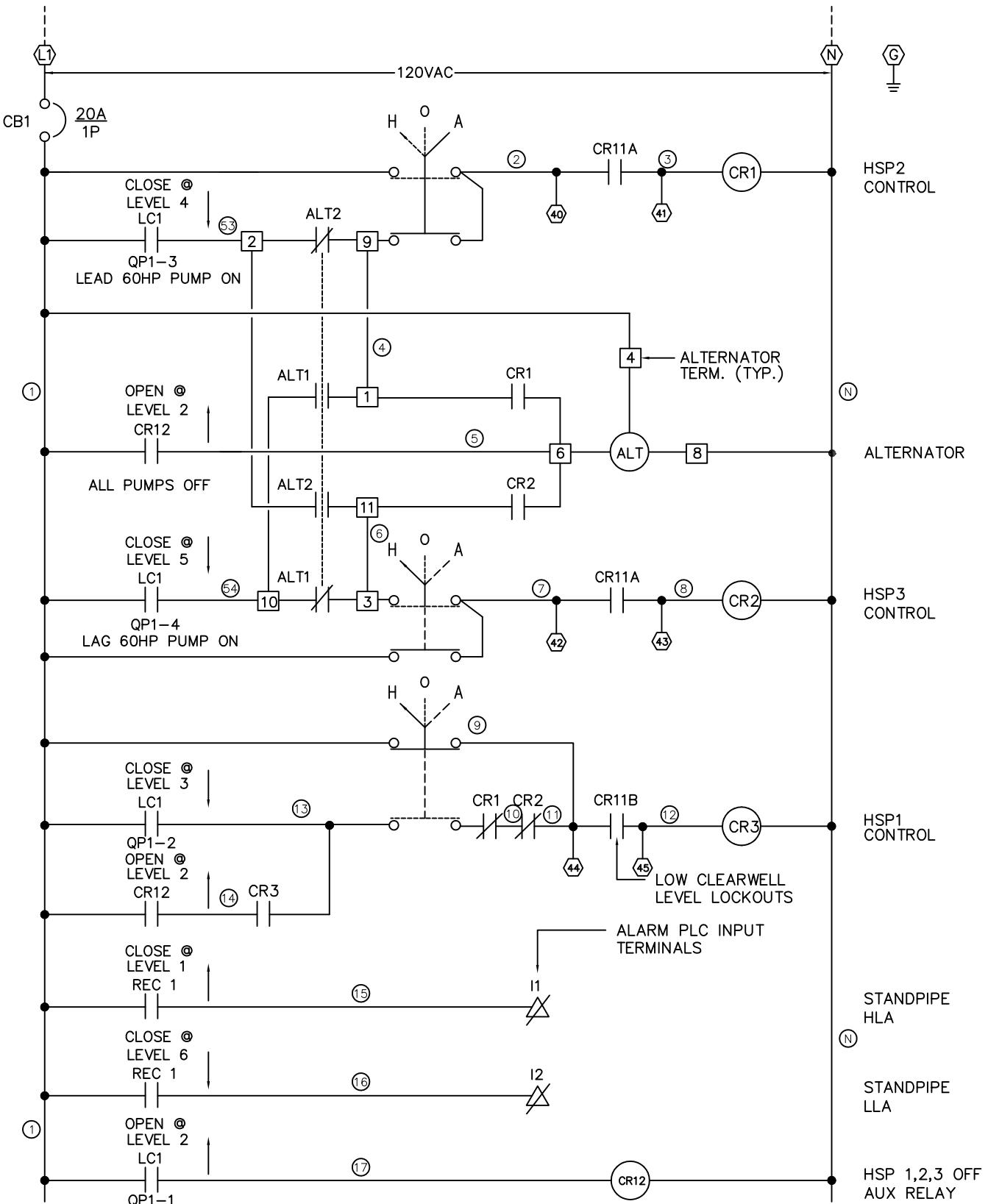
SEAL FAIL LIGHTS	<hr/>	(Submersible Only)
SEAL FAIL RELAYS	<hr/>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<hr/>	(Submersible Only)
HT PUMP SHUTDOWN	<hr/>	(Self-Primer, Submersible)
ALARM HORN	<hr/>	
ALARM LIGHT	<hr/>	
LIGHT PANEL MTD	<hr/>	
LIGHT REMOTE MTD	<hr/>	
LIGHT FLASHER	<hr/>	
LIGHTNING ARRESTER	<hr/>	
ELAPSED TIME METER	X	
PHASE MONITOR	<hr/>	
NEMA RATED STARTERS	<hr/>	
GROUND FAULT RECPT.	<hr/>	
GREEN RUN LIGHTS VS. RED	<hr/>	
POLE, BOX, SEAL	<hr/>	
INTRINSICALLY SAFE RELAYS	<hr/>	
HIGH TEMP. LOCKOUT, MANUAL RESET	<hr/>	
ECONOMY VERSION	<hr/>	

SOLD TO: McInnis Brothers Construction, Inc.
TAG : Many, LA
Finished Water Pumps

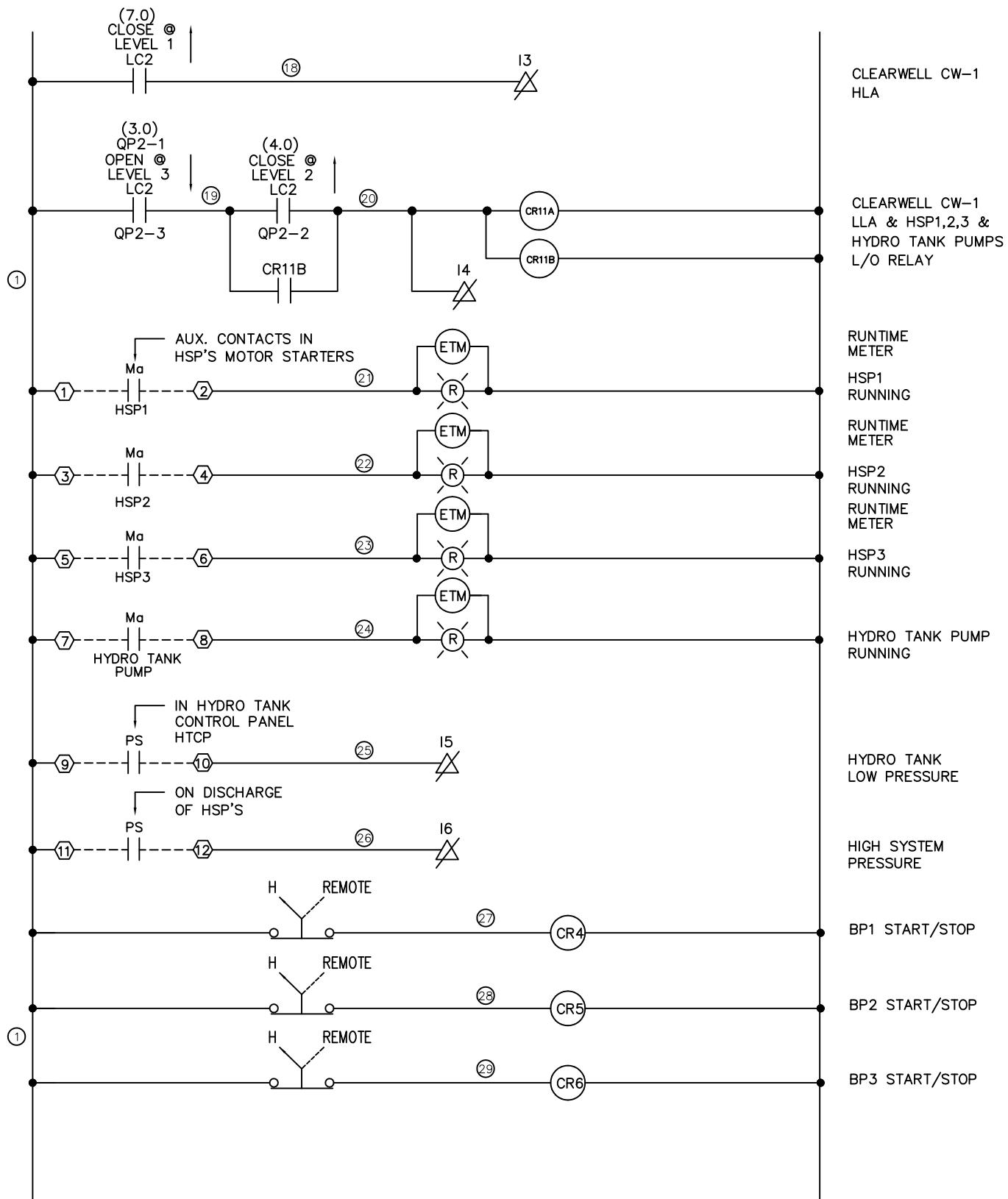
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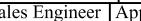
PROGRAM: MANY CP1

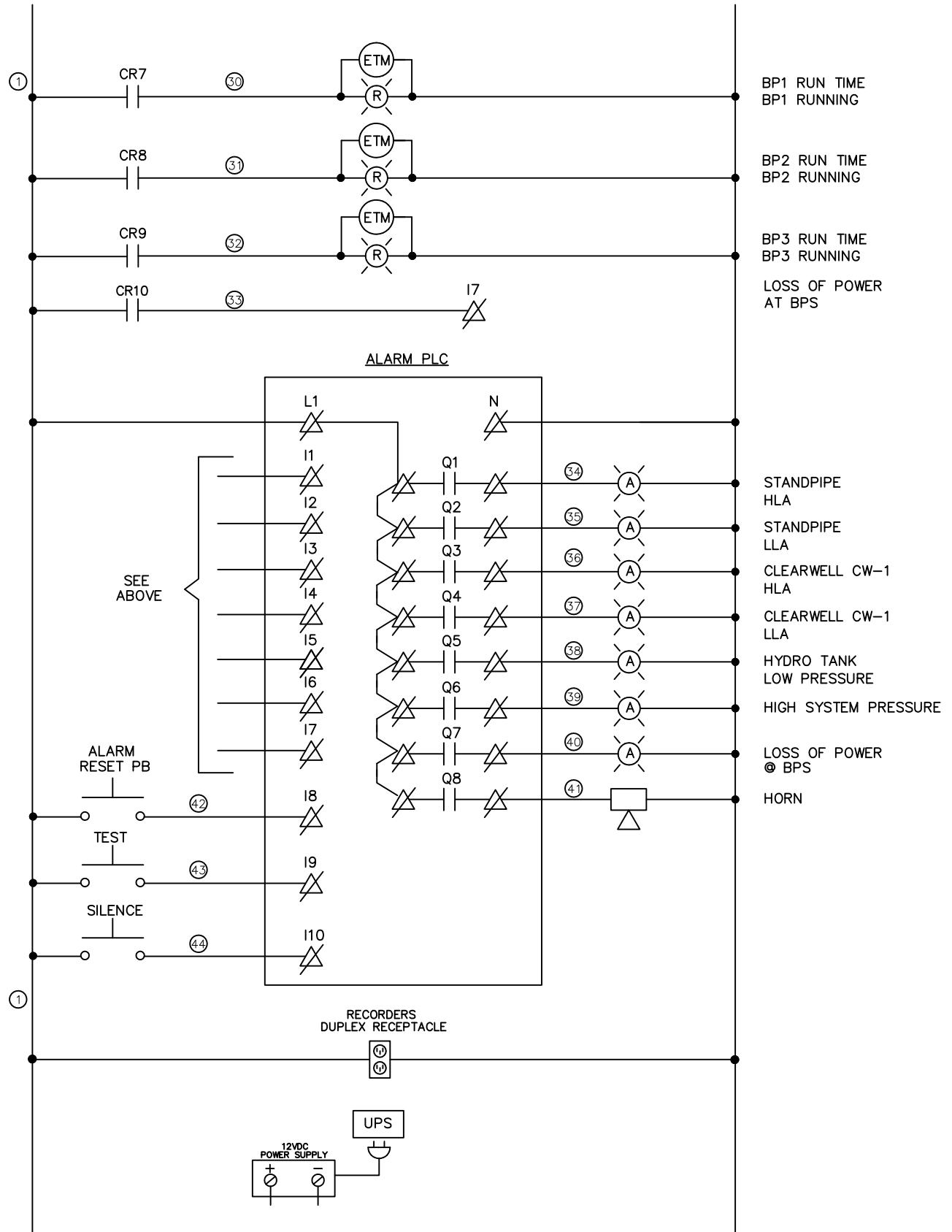
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		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE			
DATE 7/21/03	Project Title CONTROL PANEL 1			P.O. Box 77808 Baton Rouge, LA 70809			PURCHASE ORDER NUMBER		
				Ph. (225)756-3271 Fax (225)756-1030			DRAWING NUMBER CP-1608		
							SHEET NUMBER 1		



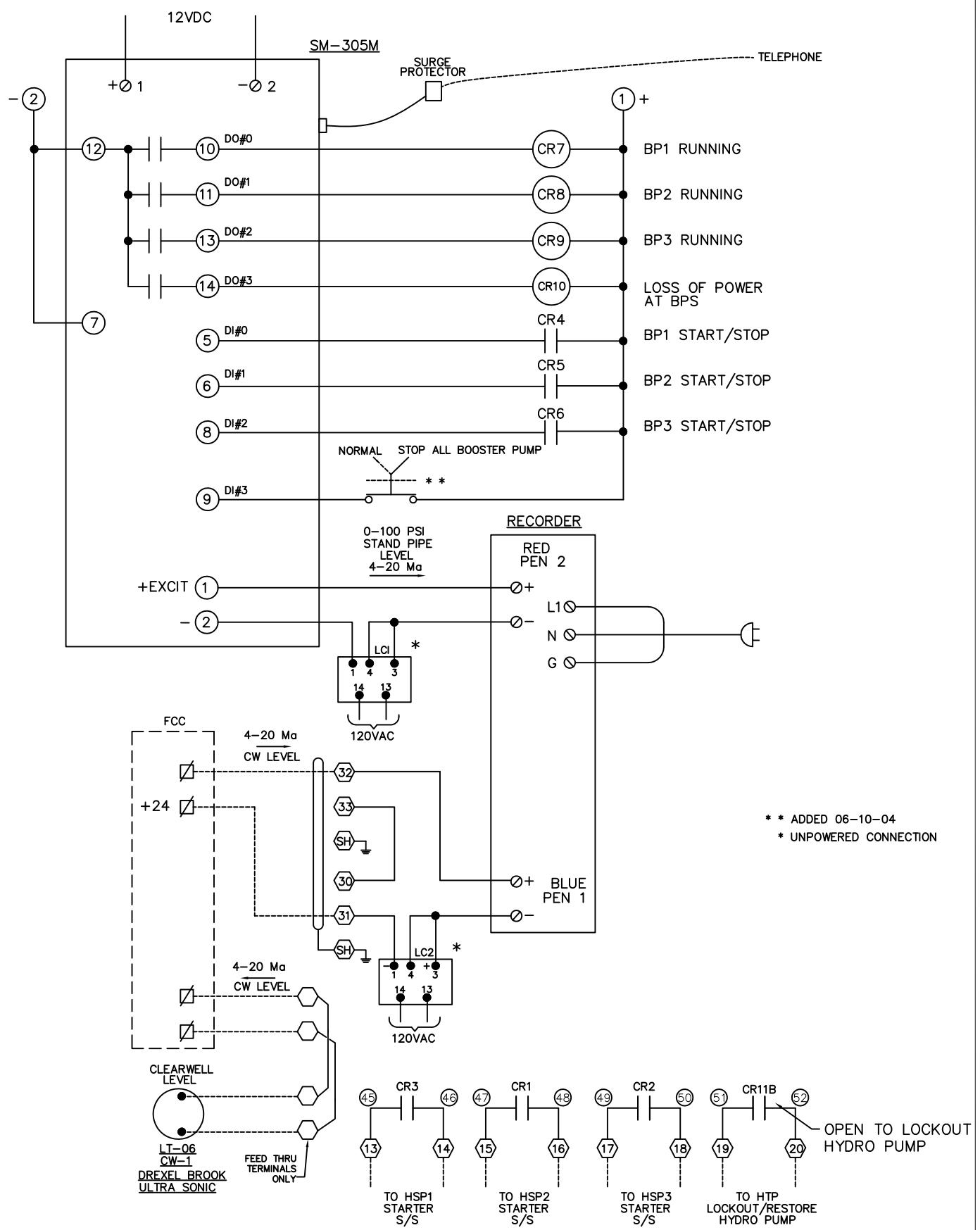
	Drawing Title					
	CONTROL DIAGRAM					
DATE 7/21/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE	BY
Project Title CONTROL PANEL 1	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1608 SHEET NUMBER 2	



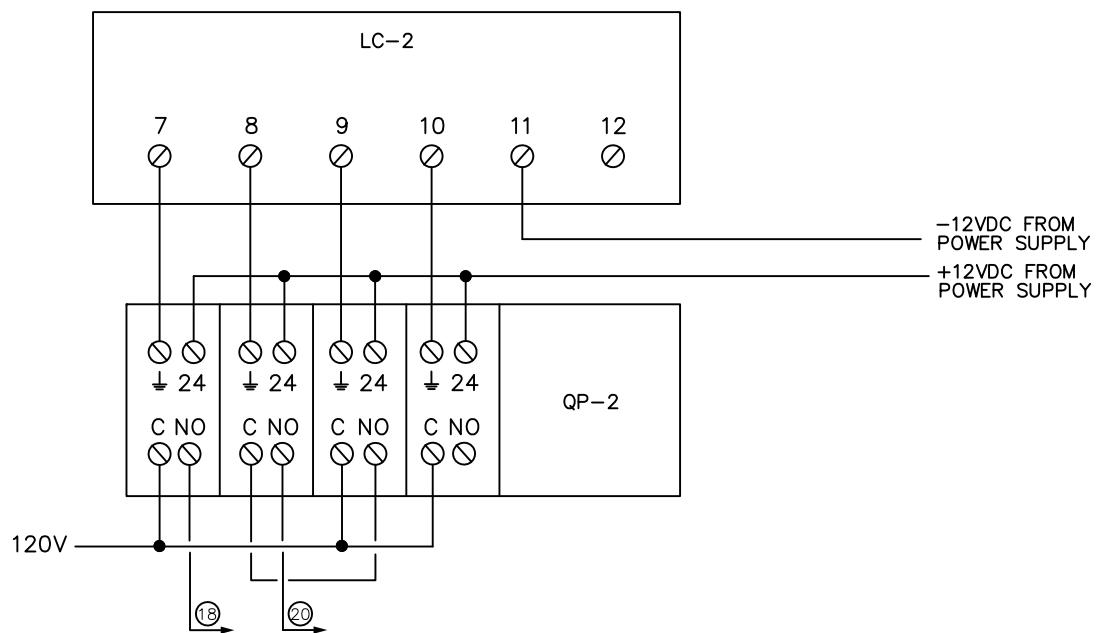
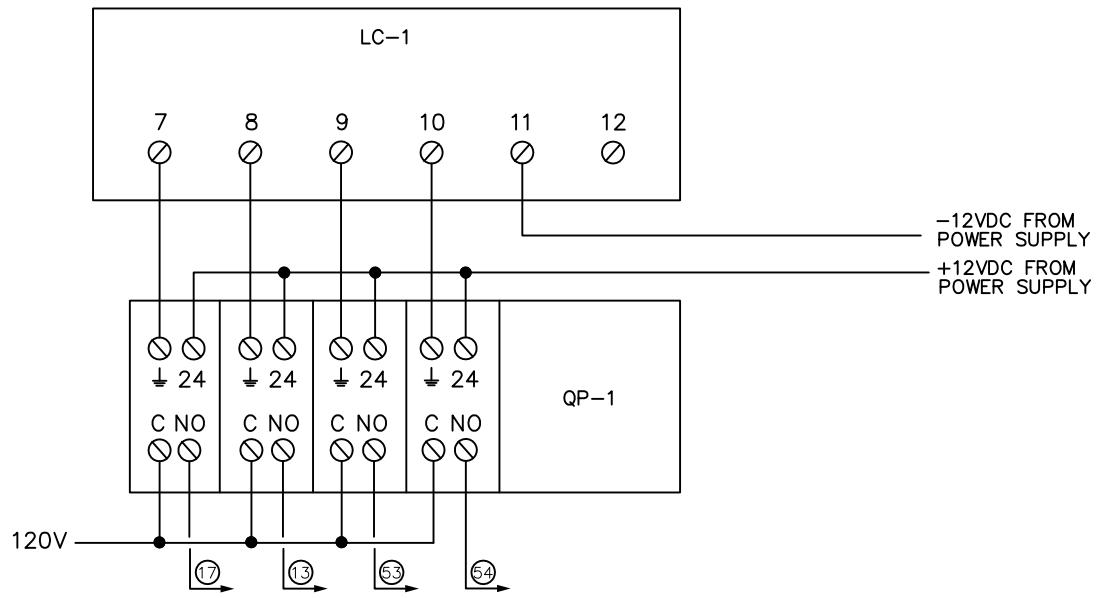
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DATE 7/21/03		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY DATE			
	Project Title CONTROL PANEL 1		 COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
							DRAWING NUMBER		
							CP-1608	SHEET NUMBER	
								3	



	Drawing Title CONTROL DIAGRAM					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
DATE 7/21/03		Application Engineer R.C.				
	Project Title CONTROL PANEL 1		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-1608	
					SHEET NUMBER 4	

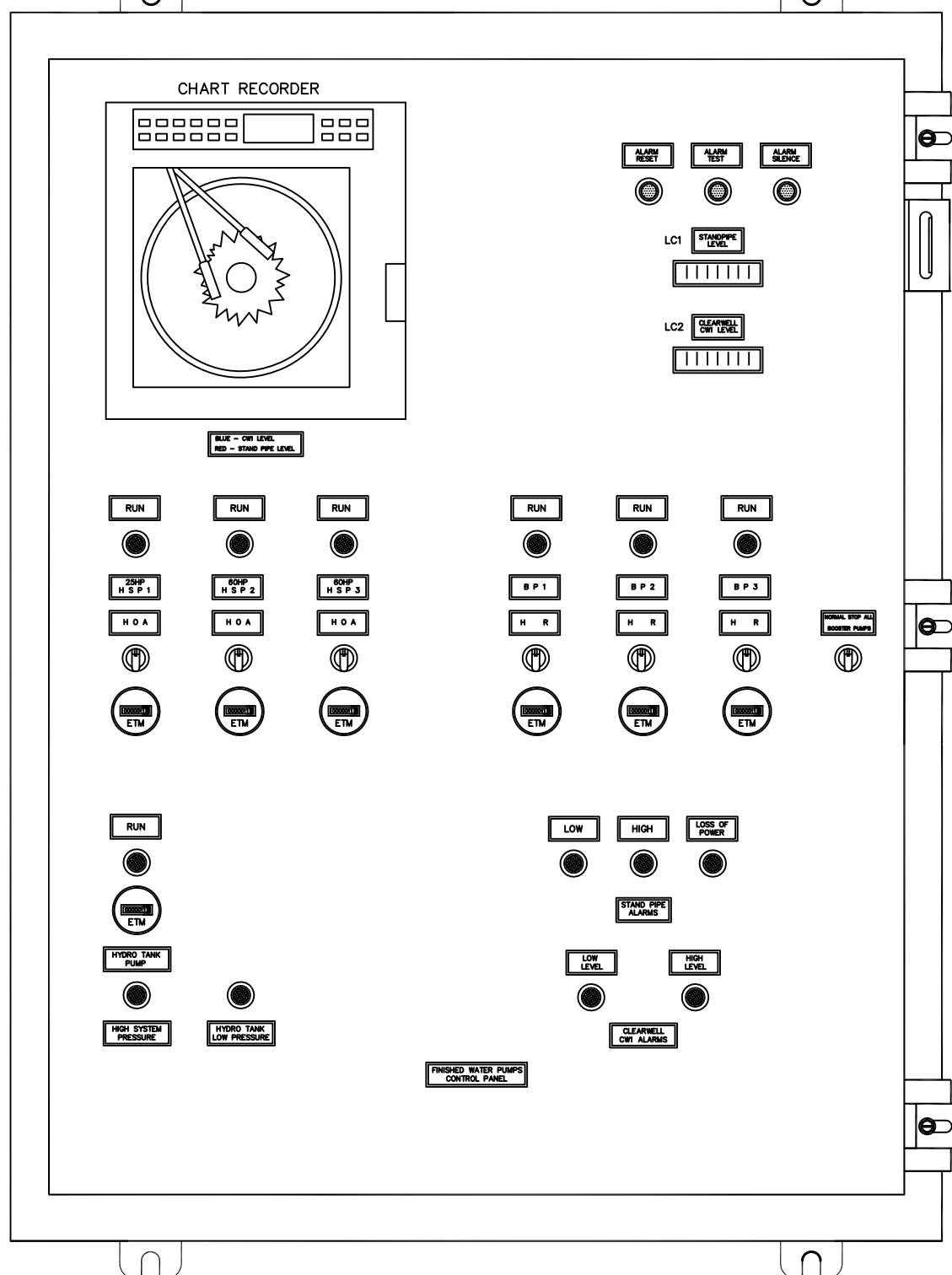


	Drawing Title CONTROL DIAGRAM						
DATE 7/21/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY DATE
	Project Title CONTROL PANEL 1	<hr/> <hr/> COX Research and Technology, Inc. <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70809	Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1608	SHEET NUMBER 5	



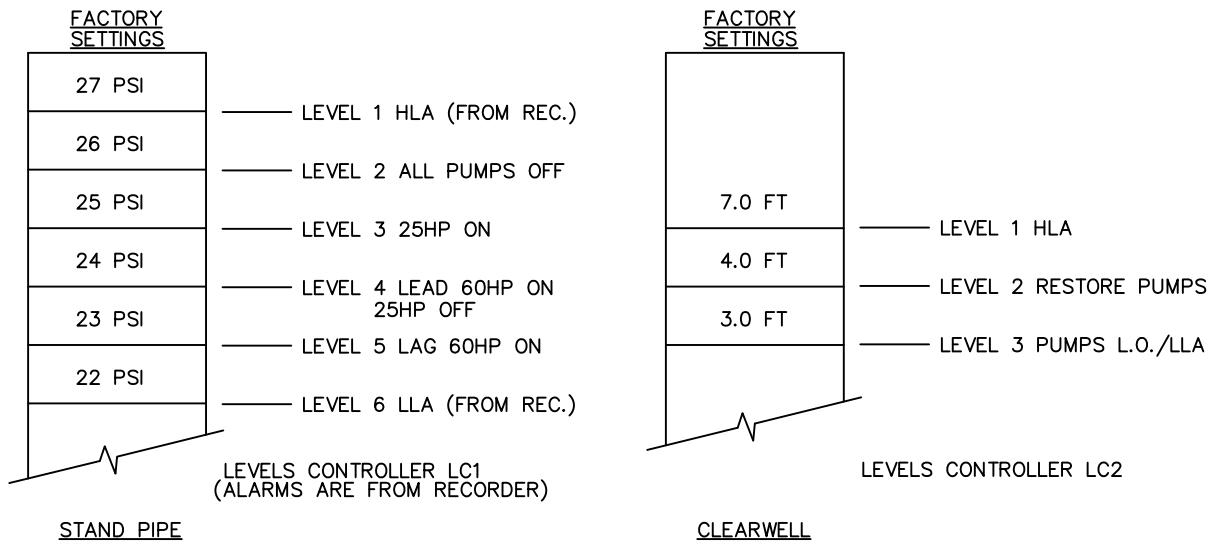
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	CONTROL DIAGRAM					
DATE 7/21/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE	BY
Project Title CONTROL PANEL 1	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1608	SHEET NUMBER 6

NEMA 12 P.S. ENCLOSURE



VIEW OF FRONT DOOR

	Drawing Title ENCLOSURE				
DATE 7/21/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE
Project Title CONTROL PANEL 1	<hr/> COX <hr/> Research and Technology, Inc. <hr/>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1608 SHEET NUMBER 7



	Drawing Title					
	CONTROL DIAGRAM					
DATE 7/21/03	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE	BY
	Project Title		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	CONTROL PANEL 1	COX Research and Technology, Inc.	Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1608		
				SHEET NUMBER 8		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EB&E	483610N12	ENCLOSURE
1a	1	EB&E	4836P	BACKPLATE
2	1	SQUARE D	QOU120	CB1
3	1	TIMEMARK	261DT120	ALTERNATING RELAY
4	3	AB	800H-QRT-10R	RED PILOT LIGHT
5	7	AB	800H-JR2A	HOA SWITCH
6	8	OMRON	G2R2SAC120	CR1-6, 11,12
7	7	AB	800H-QRT-10A	AMBER PILOT LIGHT
8	6	GRASSLIN	UWZ52E	ELAPSED TIME METER
9	3	AB	800H-HR2A	HR SWITCH
10	1	SIEMENS	230RC	LOGO PLC
11	1	SIEMENS	DM8230R	LOGO PLC EXPENSION
12	1	INGRAM	SP120-1	HORN
13	3	AB	800H-AR1A	N.O. PUSH BUTTION
14	1	STOCK	STOCK	DUPLEX RECEPTACLE
15	1	APC	350	UPS
16	1	NBT	SM-305M/1482,1137,1475	TELEPHONE MODEM
17	1	NBT	NBTPS	12VDC POWER SUPPLY
18	4	OMRON	G2R2SDC12	CR7-10
19	1	CHESSELL	392	RECORDER W/2 OUTPUT RELAYS
20	1	DIGITEC	VOYAGER	LEVEL CONTROLLER 1
21	1	DIGITEC	VOYAGER	LEVEL CONTROLLER 2
22	1	NBT	NBTSP	TELEPHONE SURGE PROTECTOR
23				
24				
25				

	Drawing Title							
	BILL OF MATERIALS							
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 7/21/03			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
			C.C.		R.C.	BY C. RACHAL	BY	DATE
	Project Title		COX		PURCHASE ORDER NUMBER			
	CONTROL PANEL 1		Research and Technology, Inc.		DRAWING NUMBER CP-1608			
					SHEET NUMBER 9			