
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

CP-1608

VOLTAGE	_____	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	_____	
NO. MOTORS	_____	
HP	_____	
FLA	_____	
TYPE OF PUMP	_____	(Self-Priming, Submersible)
MANUFACTURER	_____	
CATALOG NUMBER	_____	
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 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	X	
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: McInnis Brothers Construction, Inc.

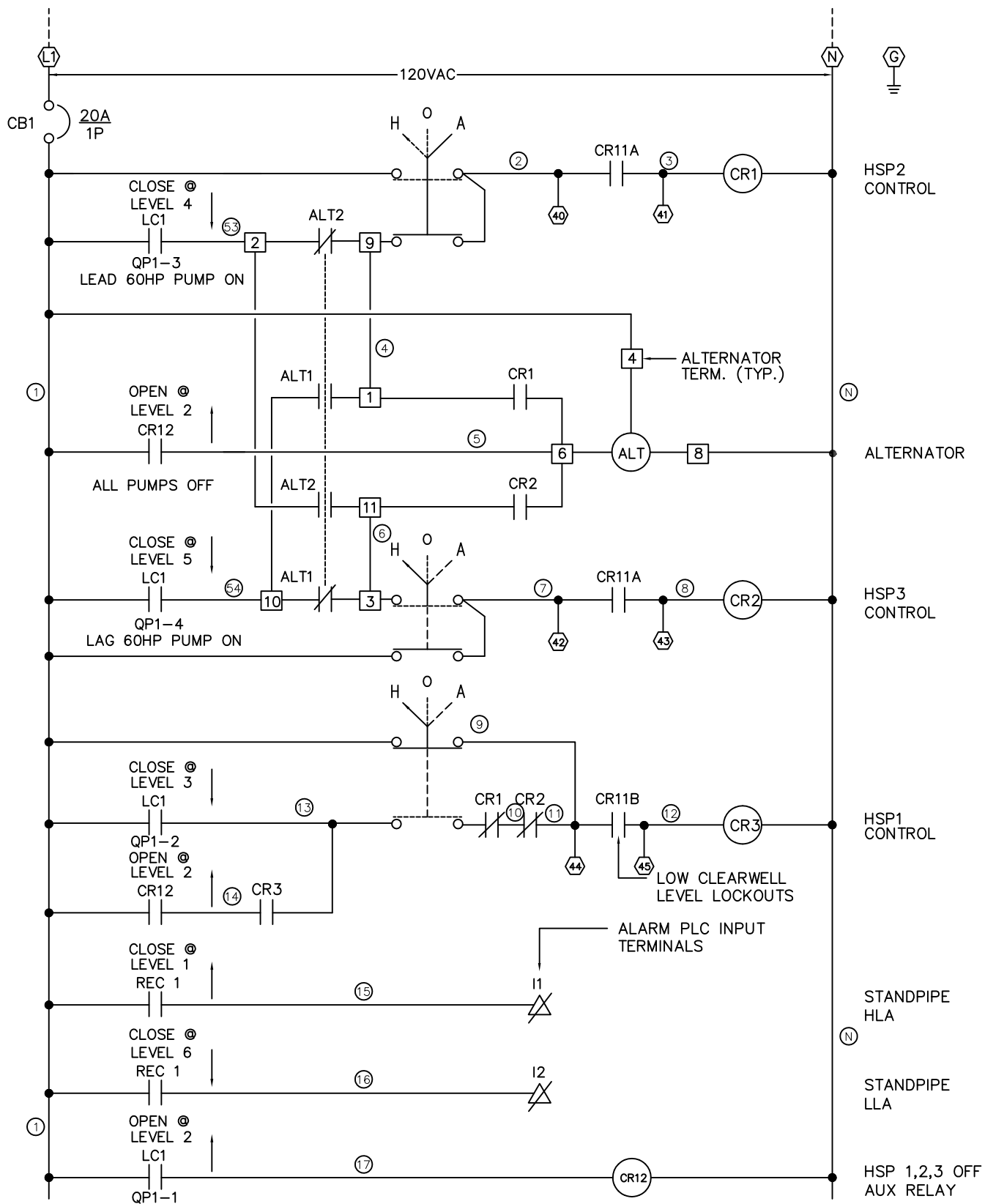
TAG : Many, LA

Finished Water Pumps

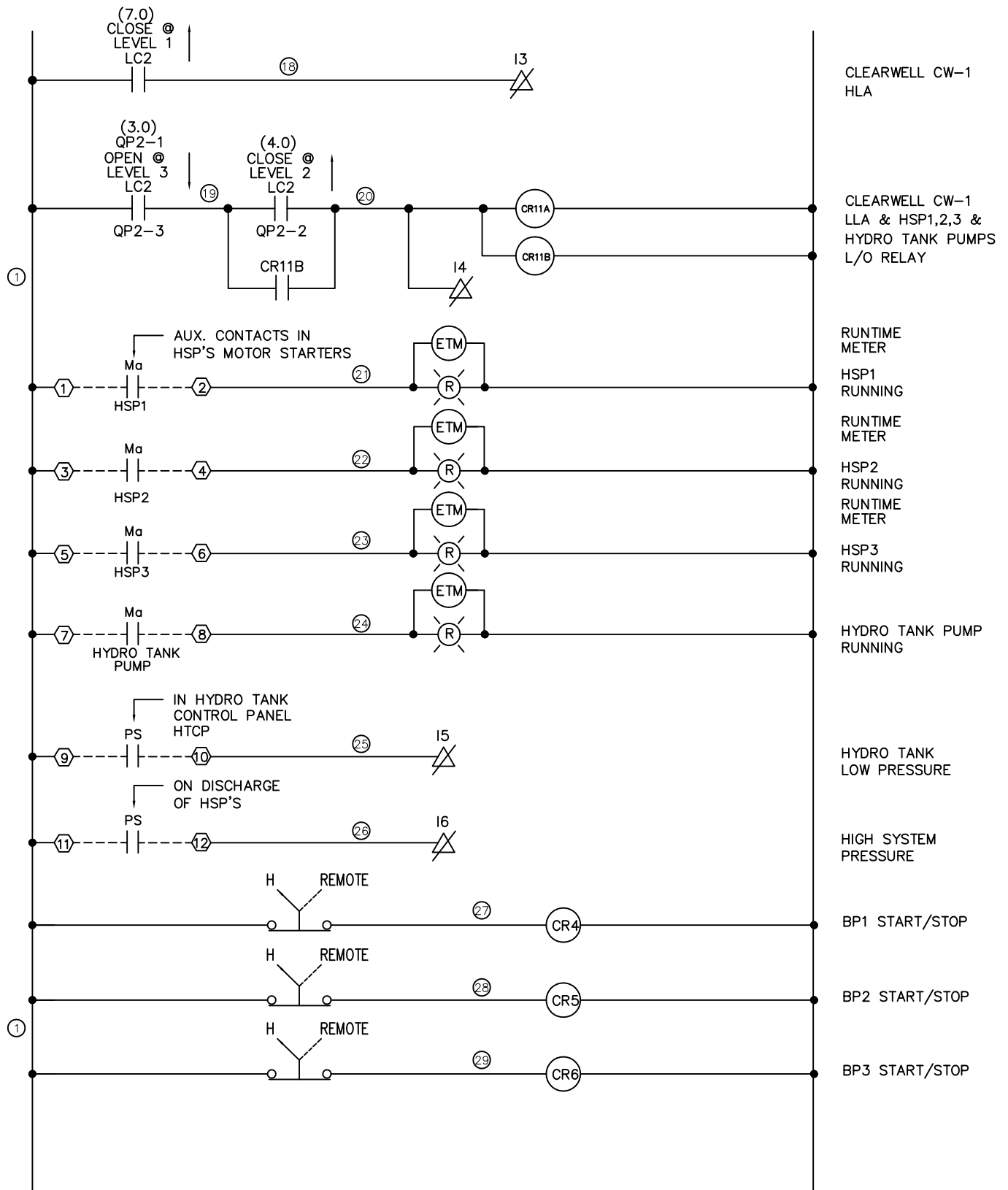
SHIP TO: _____

PROGRAM: MANY CP1

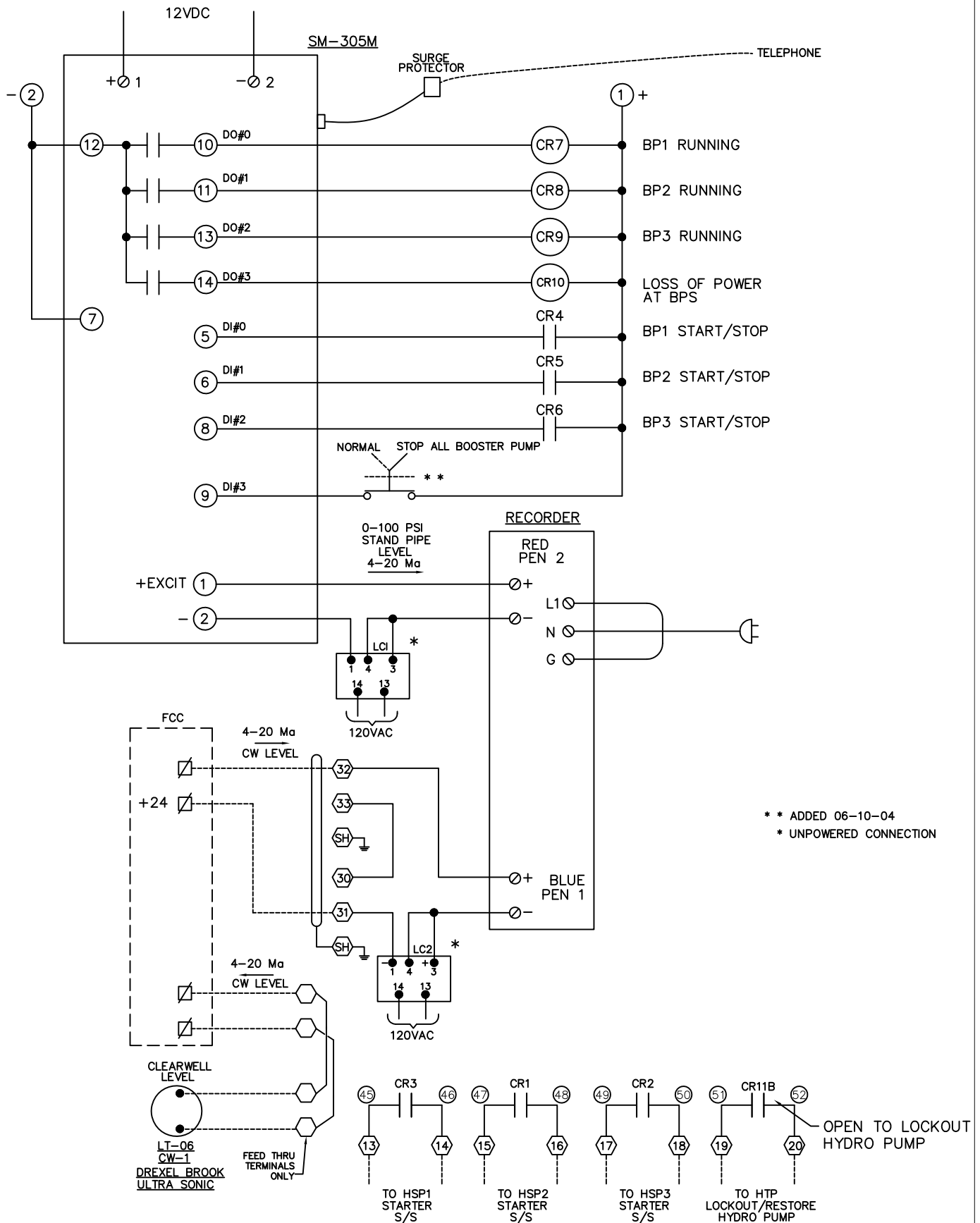
	Drawing Title							
	PANEL DESCRIPTION							
DATE 7/21/03			REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA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



Drawing Title									
CONTROL DIAGRAM									
DATE		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	
7/21/03		S/N		Sales Engineer		Application Engineer		DRAWN	
				C.C.		R.C.		BY C. RACHAL	
Project Title								APPROVED	
CONTROL PANEL 1								BY	
								DATE	
								PURCHASE ORDER NUMBER	
								DRAWING NUMBER	
								CP-1608	
								SHEET NUMBER	
								2	



	Drawing Title								
	CONTROL DIAGRAM								
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	COX			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
	CONTROL PANEL 1	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1608		
							SHEET NUMBER 3		



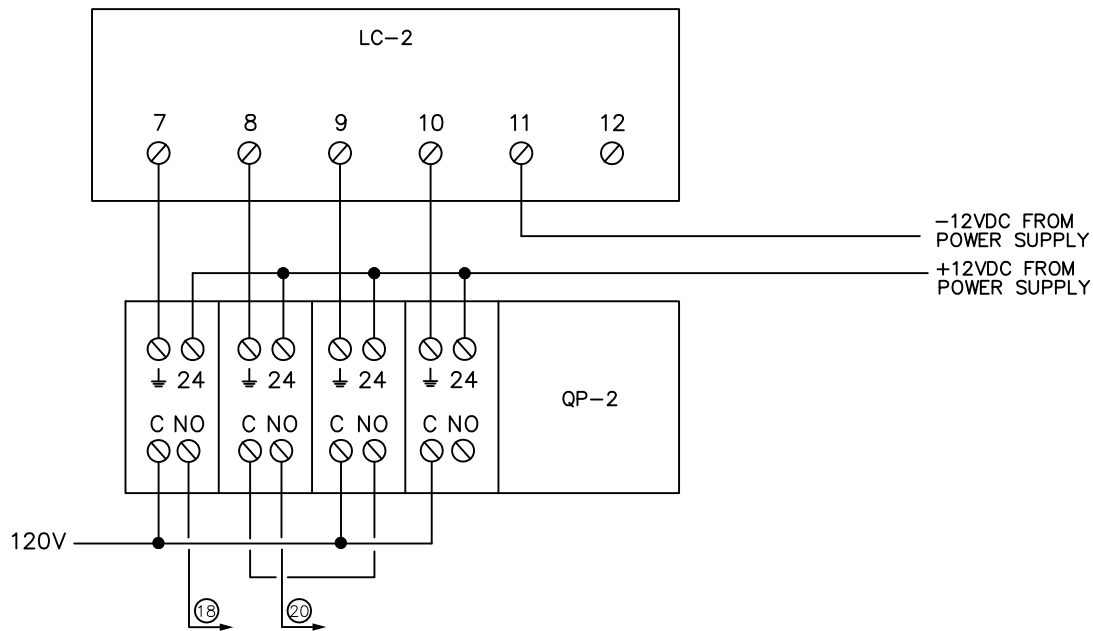
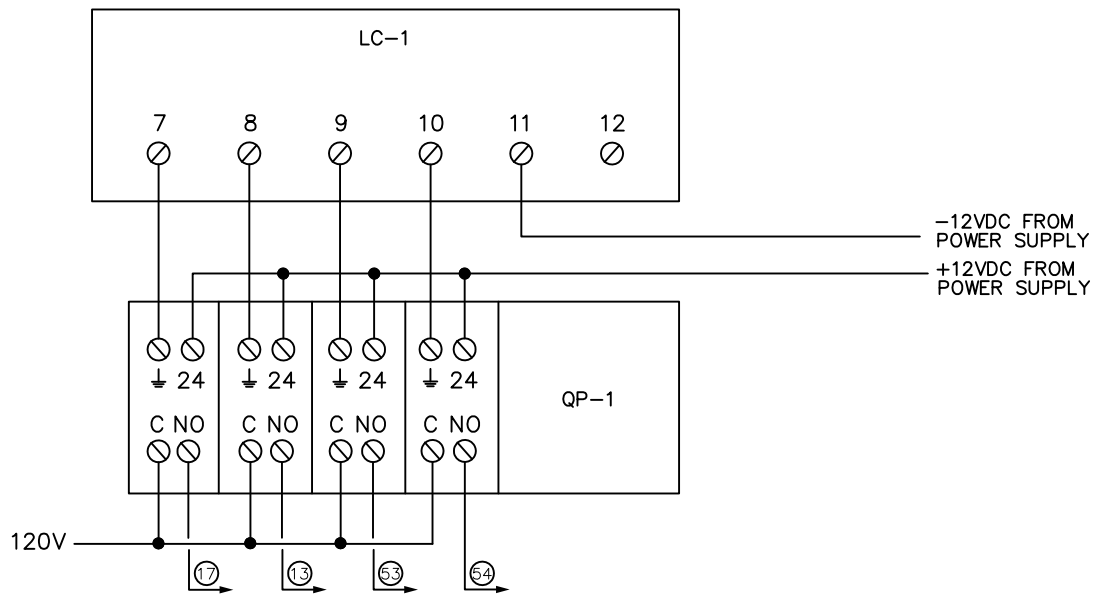
	Drawing Title								
	CONTROL DIAGRAM								
DATE	7/21/03	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL				
	Project Title							PURCHASE ORDER NUMBER	
	CONTROL PANEL 1							DRAWING NUMBER CP-1608	
								SHEET NUMBER	5

COX

Research and Technology, Inc.

P.O. Box 77808
Baton Rouge, LA
70809

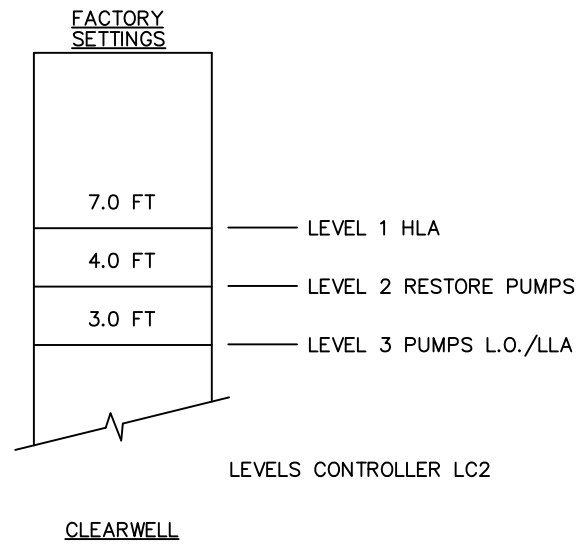
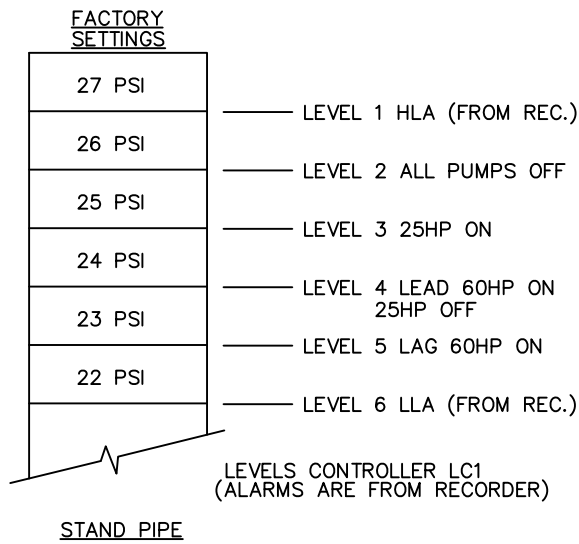
Ph. (225)756-3271
Fax (225)756-1030



	Drawing Title							
	CONTROL DIAGRAM							
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
7/21/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED		
	Project Title				PURCHASE ORDER NUMBER			
	CONTROL PANEL 1	<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-1608
					SHEET NUMBER			6

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.	DRAWN BY C. RACHAL	ECN BY	DATE DATE	BY
	Project Title CONTROL PANEL 1	<div><div></div><div>COX</div><div>Research and Technology, Inc.</div><div></div></div>			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. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	<div><div>COX</div><div>Research and Technology, Inc.</div></div>			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 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						
	<h3 style="margin: 0;">BILL OF MATERIALS</h3>						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
7/21/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <h2 style="margin: 0;">COX</h2> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	<h3 style="margin: 0;">CONTROL PANEL 1</h3>				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1608
							SHEET NUMBER 9