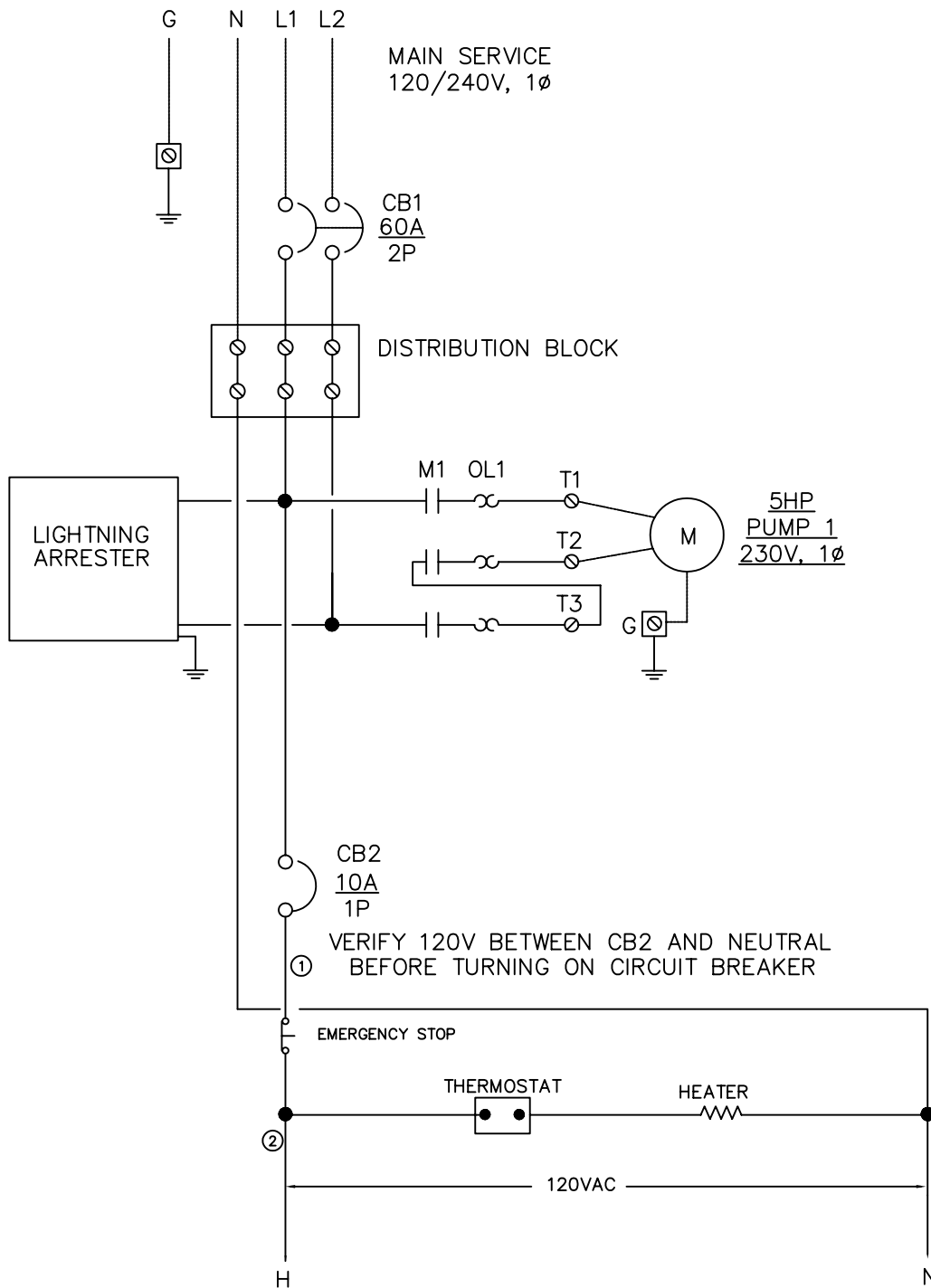

COX

Research and Technology, Inc.

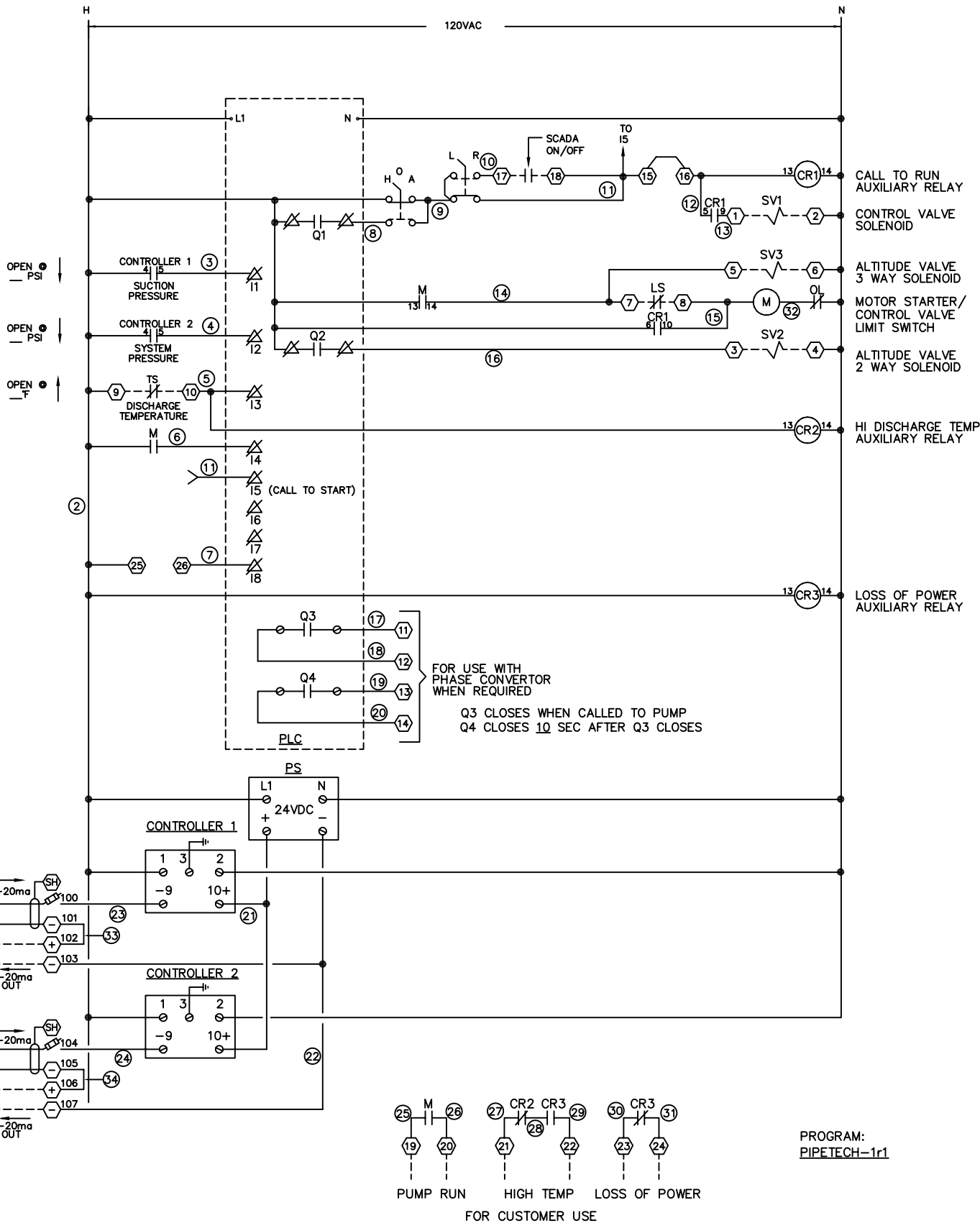
BOOSTER PUMP
CONTROL PANEL
LEWISBURG-BELLVIEW

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

CP-2385

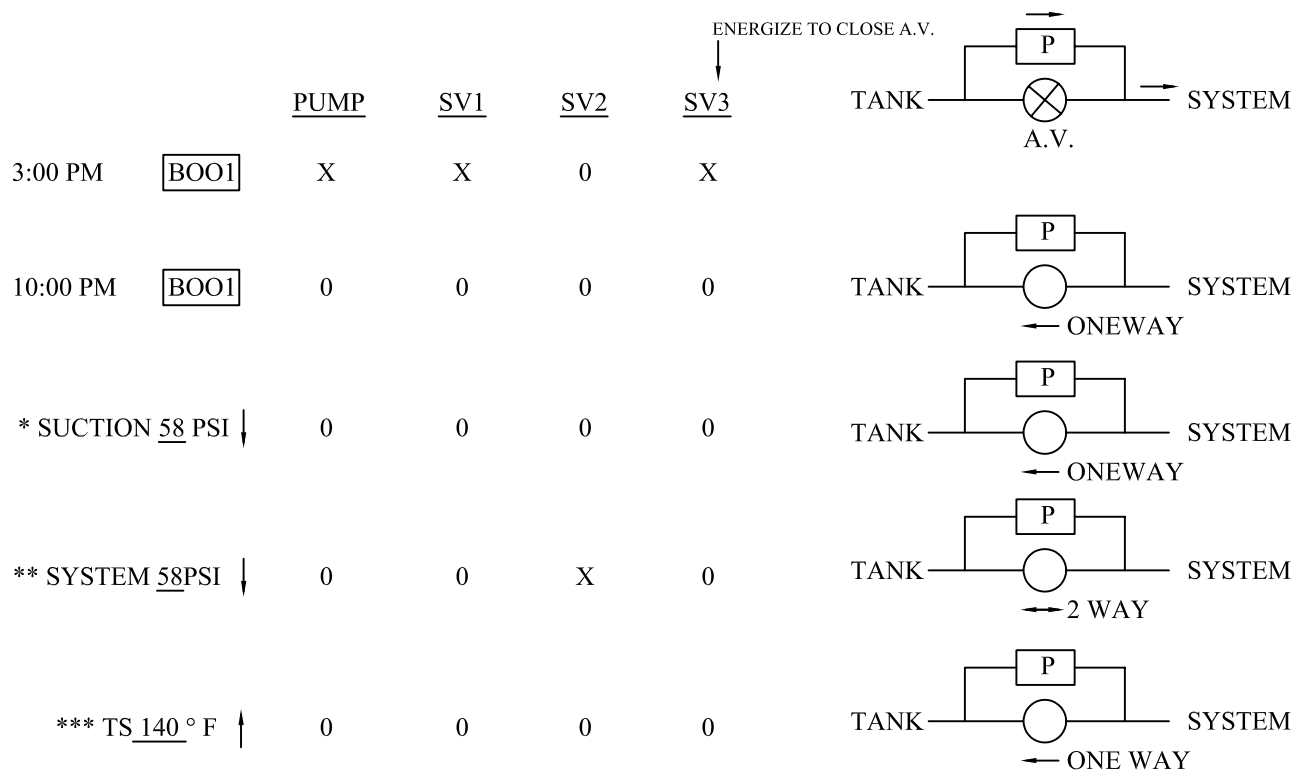


	Drawing Title							
	POWER DIAGRAM							
DATE 5/12/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer T.L.	BY C.RACHAL	ECN	DATE	BY
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	BOOSTER PUMP CONTROL PANEL	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2385		
						SHEET NUMBER 1		



Drawing Title							
CONTROL DIAGRAM							
DATE 5/12/06	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
	S/N		Sales Engineer C.C.		Application Engineer T.L.		DATE
Project Title		BY C.RACHAL		APPROVED		BY	DATE
BOOSTER PUMP CONTROL PANEL		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		DRAWING NUMBER CP-2385	
		Ph. (225)756-3271 Fax (225)755-1030		SHEET NUMBER		2	

CONTROL SEQUENCE



* REMAINS ONE-WAY UNTIL 3:00 PM THE NEXT DAY

** REMAINS TWO-WAY UNTIL 3:00 PM THE NEXT DAY

*** RETRY EVERY 5-20 MIN (ADJ) BOO3

OVERRIDE SUCTION & SYSTEM PRESSURE TRIPS FOR 0-5 MIN (ADJ)
WHEN PUMP STARTS BOO2

TIMES, PRESSURES AND TEMPERATURES SHOWN ON THE THIS SHEET ARE TYPICAL
AND MAY NOT BE THE ACTUAL SET POINTS ON A PARTICULAR PROJECT.

X = ENERGIZE

O = DE-ENERGIZE

BOO1 = PLC SETPOINT BLOCK NUMBER 1

	Drawing Title							
	CONTROL SEQUENCE							
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
5/12/06		S/N	Sales Engineer	Application Engineer				
			C.C.	T.L.	BY C.RACHAL	BY	DATE	
	Project Title	<div style="font-size: 2em; font-weight: bold;">COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	BOOSTER PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2385		
						SHEET NUMBER 3		

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	C & I	C-201610SRHPL	ENCLOSURE
1a	1	C & I	CI-2016P	BACKPLATE
2	1	ABB	A30-30-10-84	CONTACTOR
3	1	ABB	TA25DU32	O.L. RELAY (24-32A)
4	1	A-B	800H-FRXT6A1	EMERGENCY STOP
5	1	SIEMENS	LOGO! OBA5	PLC
6	1	A-B	800H-JR2A	HOA SWITCH
7	1	A-B	800H-HR2A	LOCAL REMOTE SWITCH
8	1	DELTA	LA302	LIGHTNING ARRESTER
9	1	MARATHON	1323580	DISTRIBUTION BLOCK
10	1	ABB	CAL-5	AUXILIARY CONTACTS
11	1	SQUARE D	QOU260	CB1
12	1	SQUARE D	QOU110	CB2
13	3	IDEC	RU4SA110	CR1-3
14	1	SIEMENS	-	24VDC POWER SUPPLY
15	2	MOORE	330R	DIGITAL CONTROLLER
16	1	HOFFMAN	-	CORROSION INHIBITOR
17	1	DAYTON	4BA54	30W HEATER
18	1	SAGINAW	SCE-TMNC	THERMOSTAT
19				

	Drawing Title						
	BILL OF MATERIALS						
DATE 5/12/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> COX <small>Research and Technology, Inc.</small> </div>			<small>P.O. Box 77808 Baton Rouge, LA 70809</small> <small>Ph. (225)756-3271 Fax (225)755-1030</small>		PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP-2385</div> SHEET NUMBER <div style="text-align: right;">5</div>
	BOOSTER PUMP CONTROL PANEL						