

---

---

COX

Research and Technology, Inc.

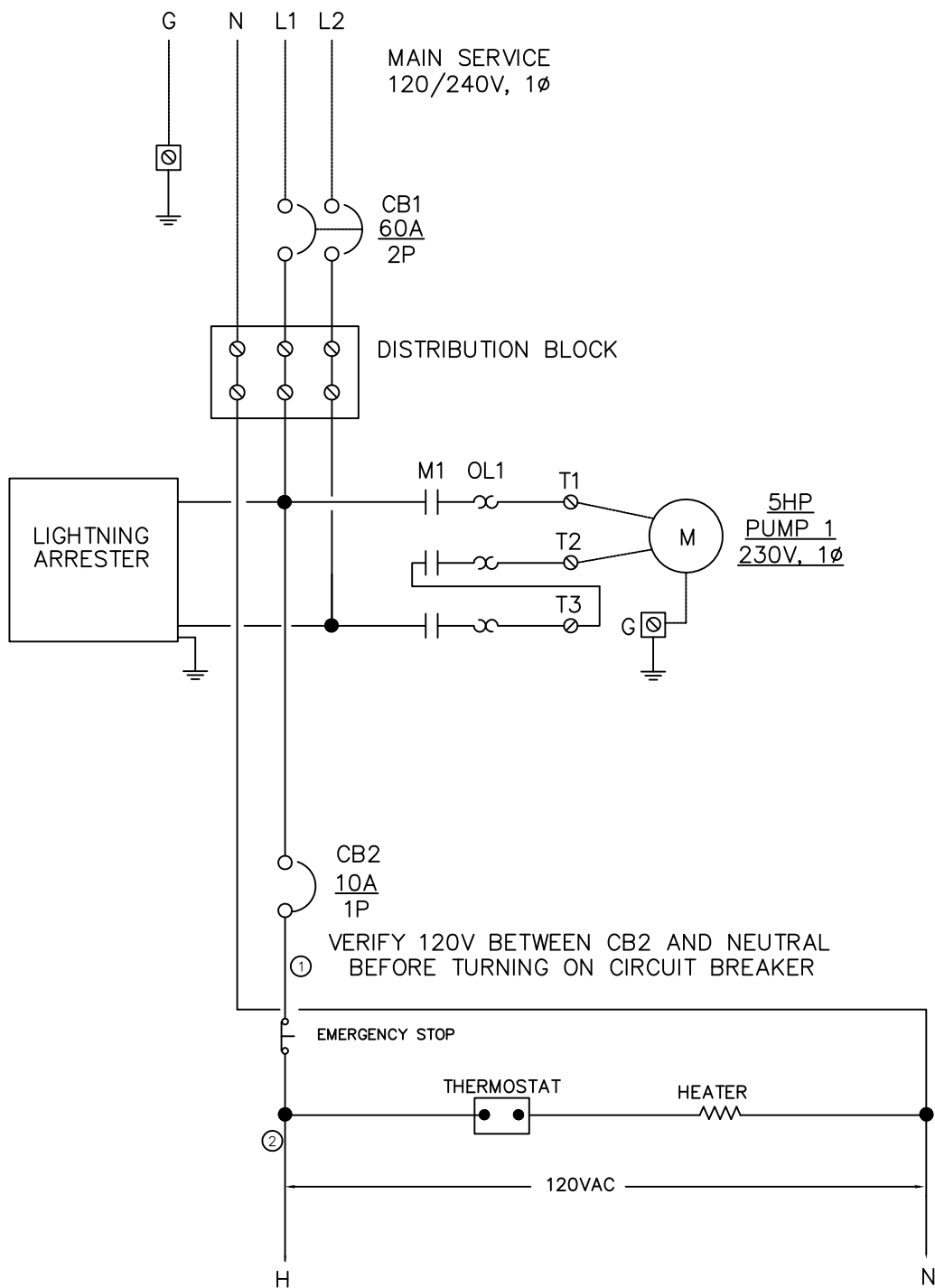
---

---

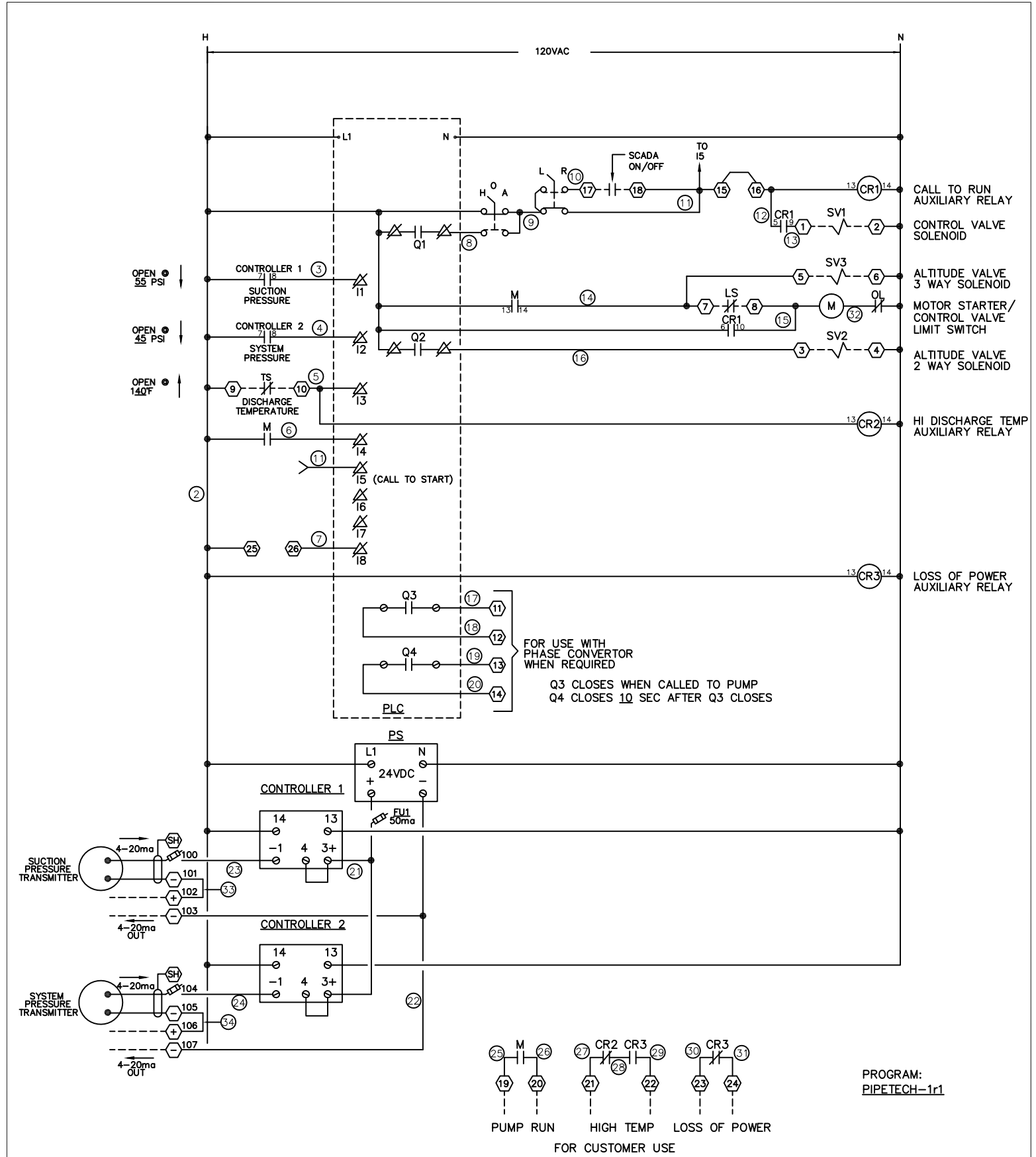
BOOSTER PUMP  
CONTROL PANEL  
LEWISBURG-BELLVIEW

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

CP-2385-A

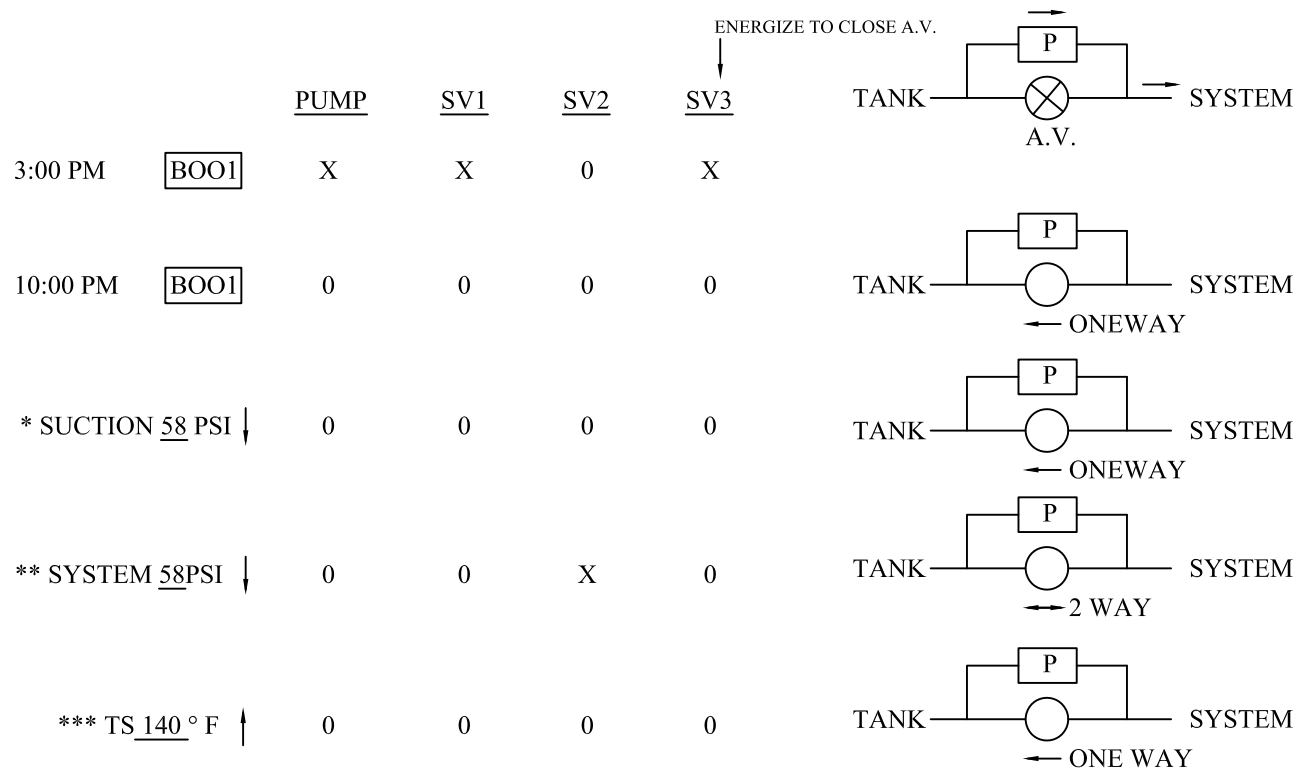


	Drawing Title							
	POWER DIAGRAM							
DATE 5/12/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer T.L.	BY C.RACHAL	ECN	DATE	BY
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	BOOSTER PUMP CONTROL PANEL	Research and Technology,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

## 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

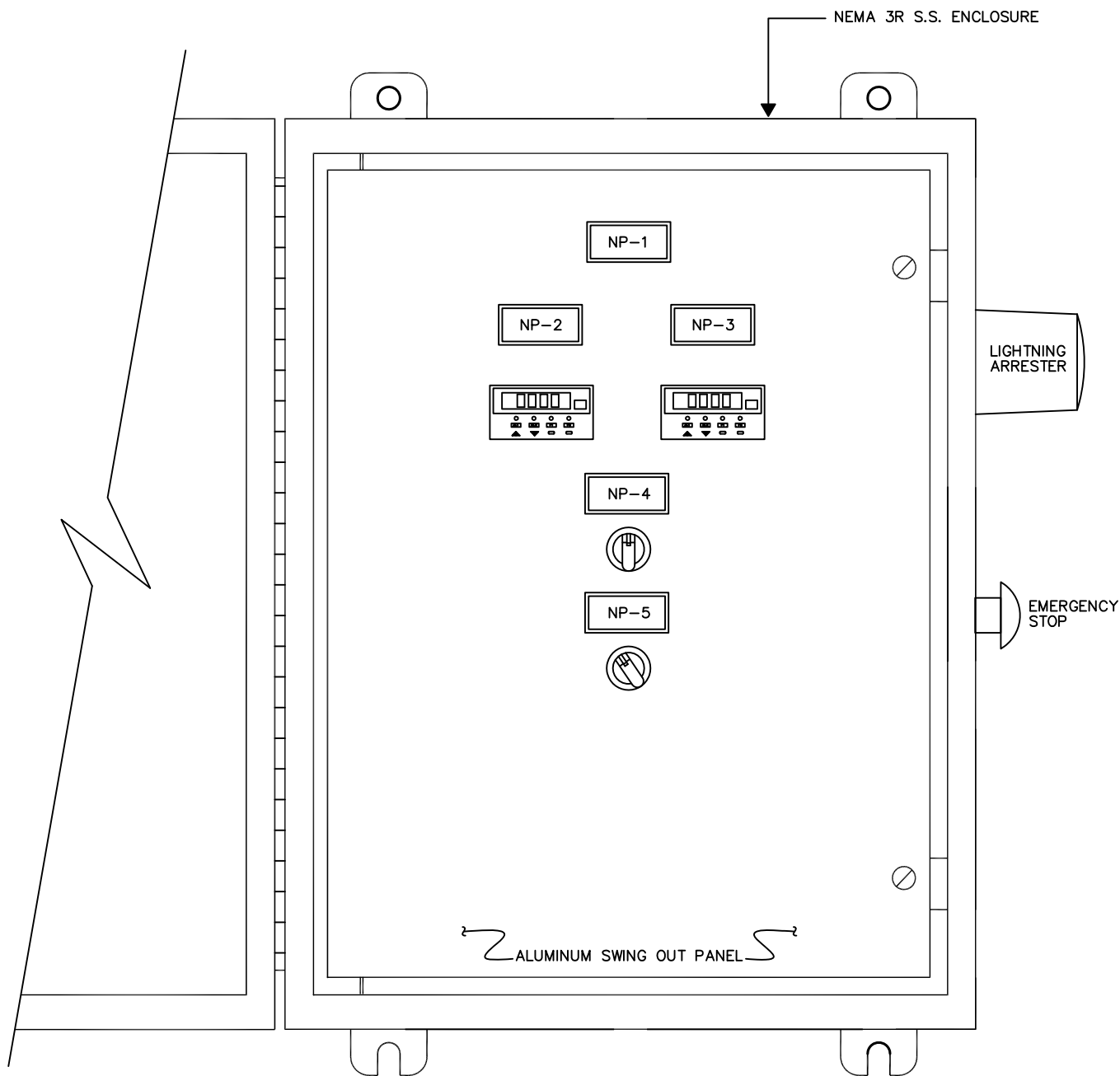
TIMES, PRESSURES AND TEMPERATURES SHOWN ON THE THIS SHEET ARE TYPICAL  
AND MAY NOT BE THE ACTUAL SET POINTS ON A PARTICULAR PROJECT.

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 C.C.	Application Engineer T.L.	BY C.RACHAL	APPROVED	BY	DATE
	Project Title	<div style="text-align: center;"> <p>Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER	
	BOOSTER PUMP						DRAWING NUMBER	
	CONTROL PANEL						CP-2385	
							SHEET NUMBER	
							3	



VIEW OF SWING OUT PANEL

### NAMEPLATE SCHEDULE

NP-1	BOOSTER PUMP CONTROL PANEL
NP-2	SUCTION PRESSURE
NP-3	SYSTEM PRESSURE
NP-4	HAND-OFF-AUTO
NP-5	LOCAL-REMOTE

### 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		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE	5/12/06		S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED
				C.C.	T.L.	BY C.RACHAL		BY DATE
Project Title	BOOSTER PUMP CONTROL PANEL		PURCHASE ORDER NUMBER					
			DRAWING NUMBER			CP-2385		
			SHEET NUMBER			4		

## 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	DIGITEC	D3221	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: 150px;"> <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2385 SHEET NUMBER 5
	BOOSTER PUMP CONTROL PANEL						