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# COX

Research and Technology, Inc.

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CLARIFIER  
CONTROL PANEL  
BURAS, LA

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

CP-1784

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>1</u>	
HP	<u>1/2</u>	
FLA	<u>1.1</u>	
TYPE OF PUMP	<u></u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Stainless Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u></u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	

OPTIONS:

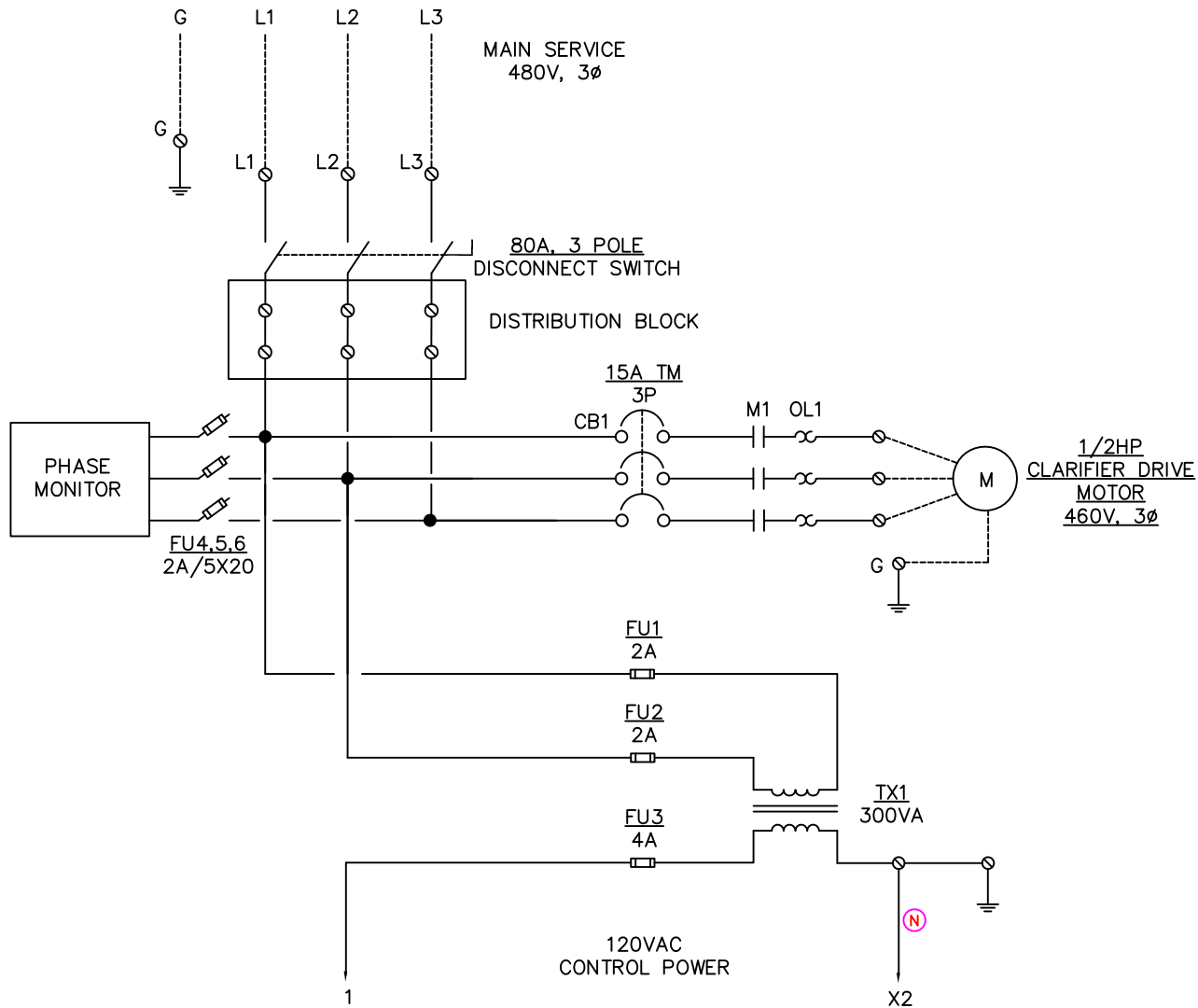
SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u></u>	(Self-Primer, Submersible)
ALARM HORN	<u></u>	
ALARM LIGHT	<u>X</u>	
LIGHT PANEL MTD	<u>X</u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u>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

SOLD TO: G-H SYSTEMS

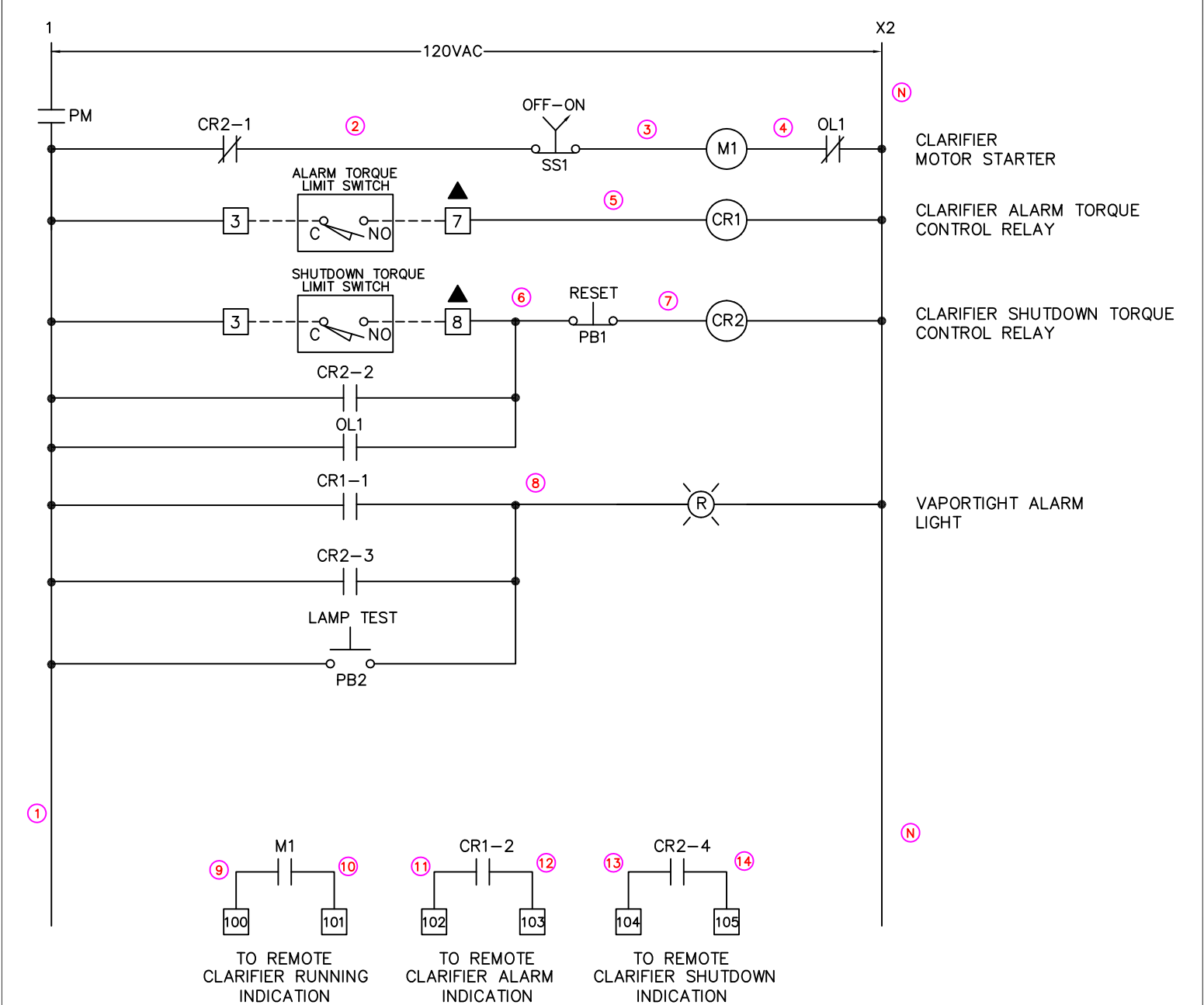
TAG : BURAS

SHIP TO:

	Drawing Title						
	PANEL DESCRIPTION						
DATE 4/14/04		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
	CLARIFIER CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1784
					SHEET NUMBER 1		



	Drawing Title							
	POWER DIAGRAM							
DATE 4/14/04		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED	BY	DATE
	Project Title				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	CLARIFIER CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1784		
						SHEET NUMBER 2		

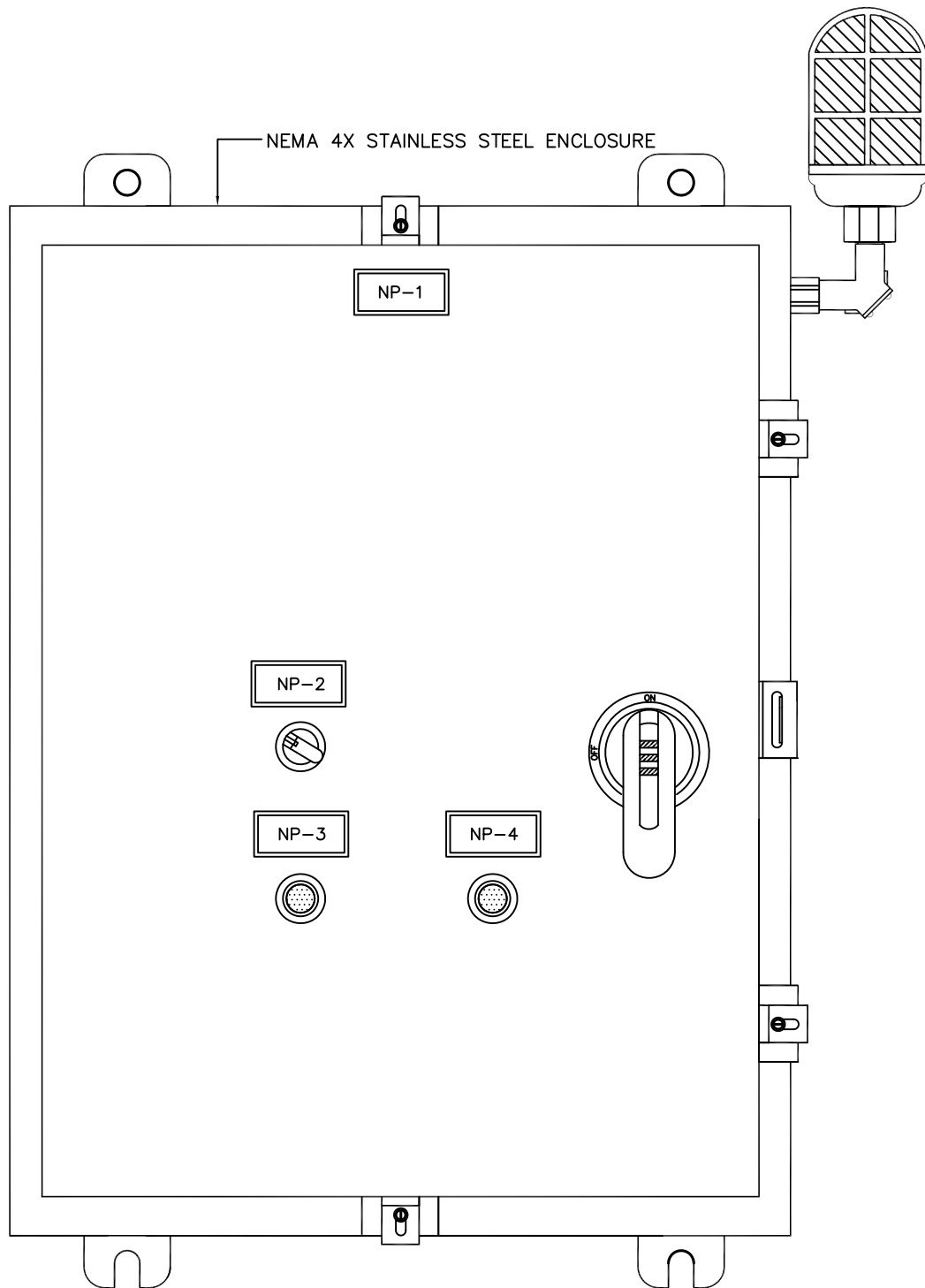


	Drawing Title								
	CONTROL DIAGRAM								
DATE	4/14/04	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	BY	DATE		
	Project Title	PURCHASE ORDER NUMBER							
	CLARIFIER CONTROL PANEL	DRAWING NUMBER CP-1784							
		SHEET NUMBER							

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

#### NAMEPLATE SCHEDULE

NP-1 CLARIFIER CONTROL PANEL  
NP-2 CLARIFIER OFF-ON  
NP-3 ALARM RESET  
NP-4 LAMP TEST

DATE 4/14/04	Drawing Title								
	ENCLOSURE								
		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				PURCHASE ORDER NUMBER				
	CLARIFIER CONTROL PANEL	<div style="text-align: center;"> <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		DRAWING NUMBER CP-1784		
					Ph. (225)756-3271 Fax (225)756-1030		SHEET NUMBER 4		

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ADALET	N4X6201608	ENCLOSURE
1a	1	ADALET	V2016	BACKPLATE
2	1	ABB	OT63E3	DISCONNECT SWITCH
3	1	ABB	OHB65L5	HANDLE
4	1	ABB	OXF5X265	SHAFT
5	1	MARATHON	1323580	DISTRIBUTION BLOCK
6	1	ABB	S1N015TL	CB
7	1	ABB	A16N0-30-10-84	MOTOR STARTER
8	1	SQUARE D	9070TF300D1	TRANSFORMER
9	1	ACI	JR22P2M11B	OFF-ON SWITCH
10	2	IDEC	RU25-A110	CONTROL RELAYS
11	2	ACI	JR22AN11B	PUSH BUTTON
12	1	LUMAPRO	3RB24	ALARM LIGHT
13	1	ABB	TA25DU1.4	O.L. (1.0-1.4A)
14	1	SSAC	PLMU11	PHASE MONITOR
15				
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22				
23				
24				
25				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 4/14/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div> <div style="text-align: left;"> <p>P.O. Box 77808 Baton Rouge, LA 70809</p> <p>Ph. (225)756-3271 Fax (225)756-1030</p> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <p>PURCHASE ORDER NUMBER</p> <p>DRAWING NUMBER CP-1784</p> <p>SHEET NUMBER</p> </div> <div style="text-align: right;"> <p>5</p> </div> </div>			