
COX

Research and Technology, Inc.

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

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

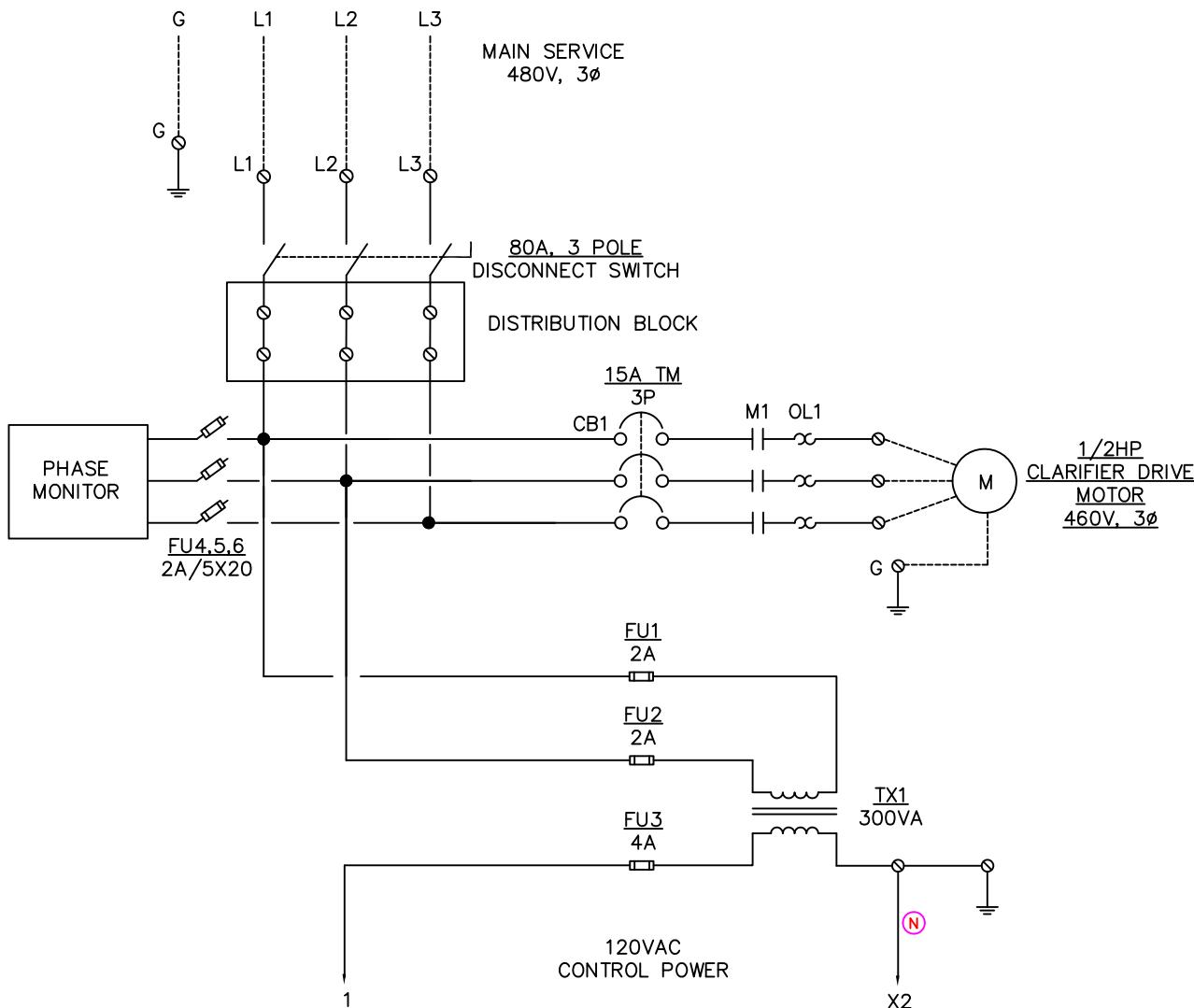
OPTIONS:

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	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
PHASE MONITOR	X	
NEMA RATED STARTERS	X ABB	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

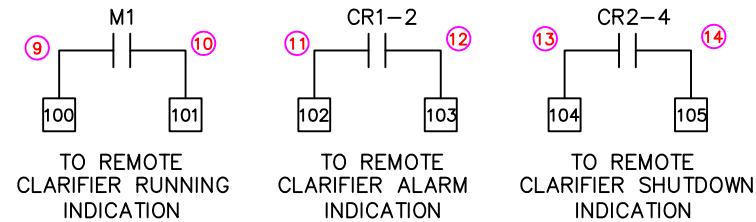
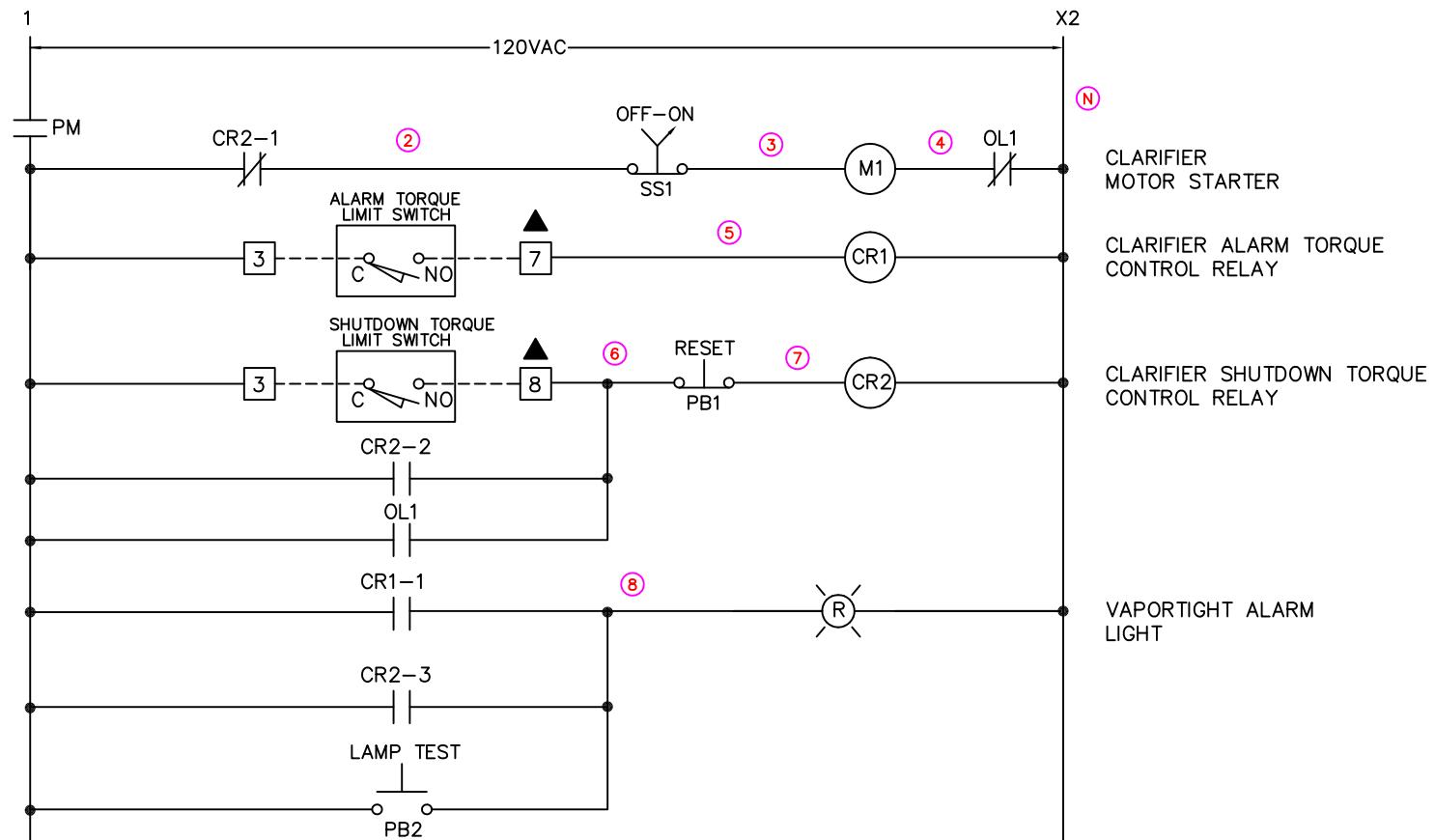
SOLD TO: G-H SYSTEMS
 TAG : BURAS

SHIP TO:

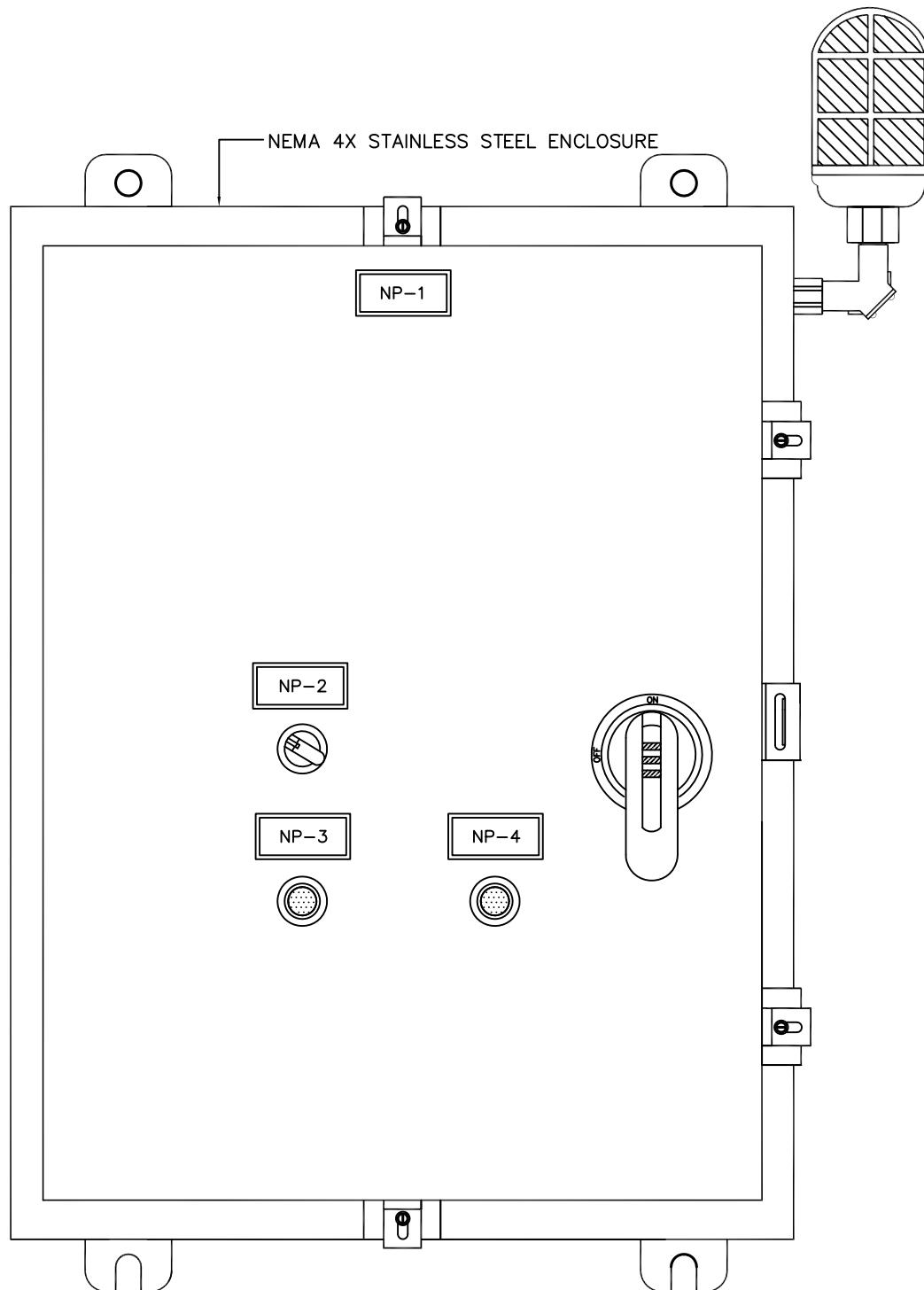
Drawing Title	PANEL DESCRIPTION			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 4/14/04	S/N	Sales Engineer	Application Engineer			DRAWN		APPROVED	
						BY C. RACHAL		BY DATE	
	Project Title								
	CLARIFIER CONTROL PANEL			COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
				Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER	CP-1784
								SHEET NUMBER	1



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



	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN
		S/N	Sales Engineer	DRAWN	DATE BY
DATE 4/14/04		C.C.	Application Engineer	BY C. RACHAL	APPROVED
	Project Title CLARIFIER CONTROL PANEL	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-1784
					SHEET NUMBER 3



NAMEPLATE SCHEDULE

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

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 4/14/04	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
	C.C.		R.C.	BY C. RACHAL	BY	DATE	
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/>			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 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	OXP5X265	SHAFT
5	1	MARATHON	1323580	DISTRIBUTION BLOCK
6	1	ABB	S1NO15TL	CB
7	1	ABB	A16NO-30-10-84	MOTOR STARTER
8	1	SQUARE D	9070TF300D1	TRANSFORMER
9	1	ACI	JR22P2M11B	OFF-ON SWITCH
10	2	IDEA	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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	Drawing Title						
	BILL OF MATERIALS						
DATE 4/14/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE		
	Project Title CLARIFIER CONTROL PANEL	COX Research and Technology, Inc.			PURCHASE ORDER NUMBER DRAWING NUMBER CP-1784 SHEET NUMBER 5		