
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
LIVE OAK STREET
BRUSLY

REVISED 4/15/11

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

CP-1486
REV 1

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	25 HP	
FLA	58	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	S.S.	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS		(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

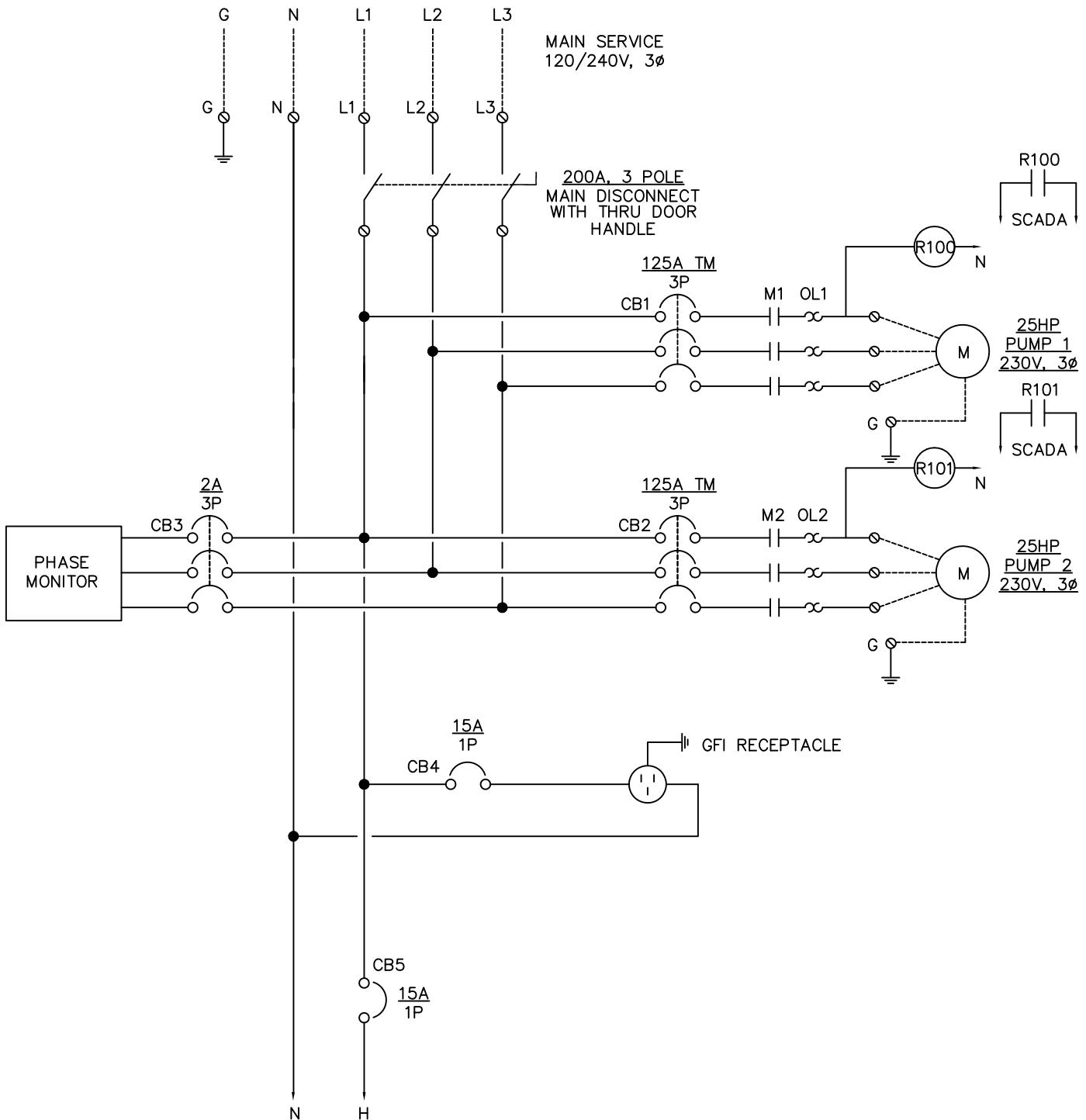
OPTIONS:

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

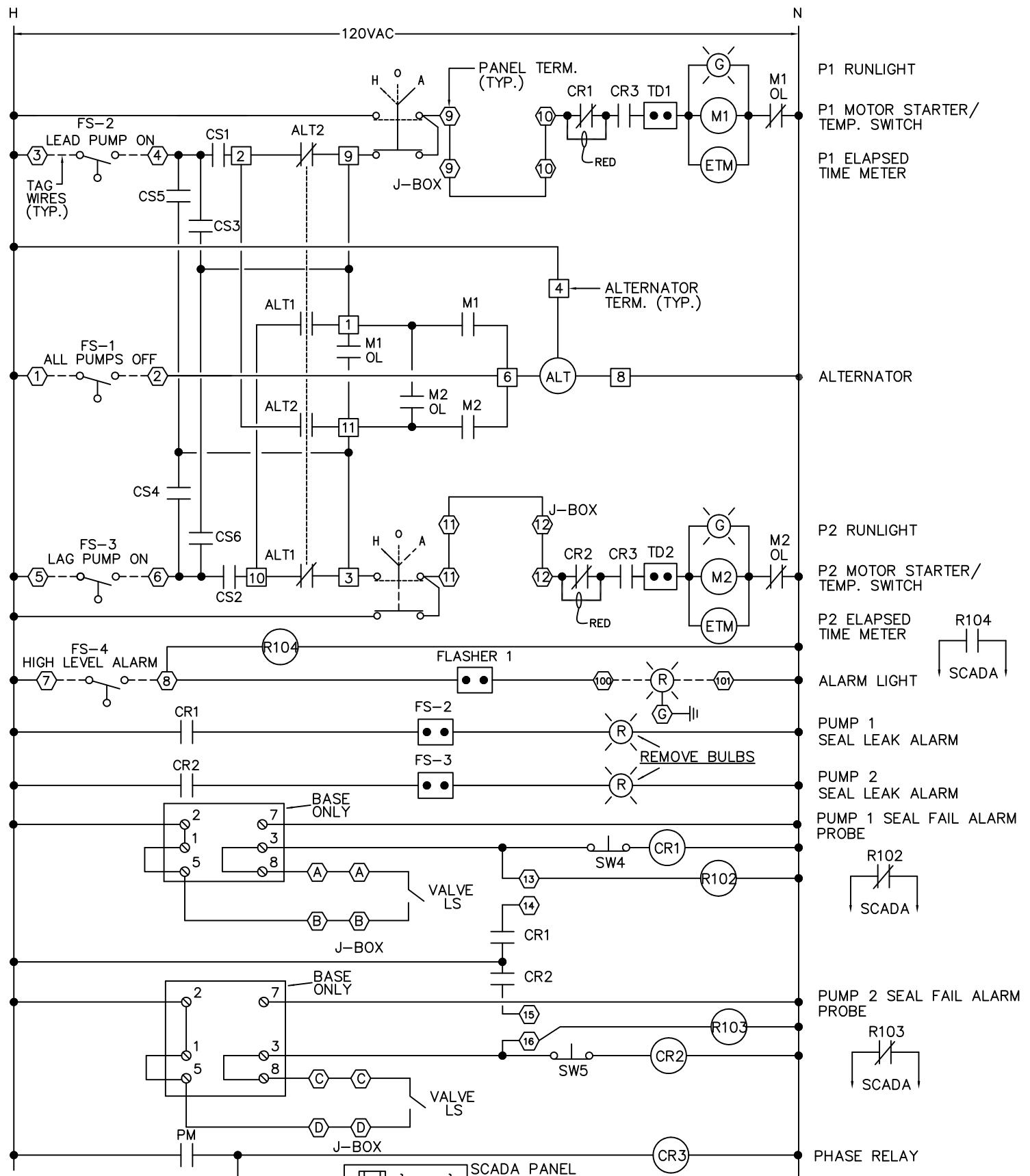
SOLD TO: Delta Process - New Orleans, LA
TAG : Brusly - Live Oak Street

SHIP TO: Delta Process - Denham Springs, LA

Drawing Title	PANEL DESCRIPTION	GENERAL		4/15/11		
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 11/04/02	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
	C.C.	R.C.	BY CTR	BY	DATE	
	Project Title DUPLEX PUMP CONTROL PANEL	<u>COX</u> 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-1486	
				SHEET NUMBER	1	

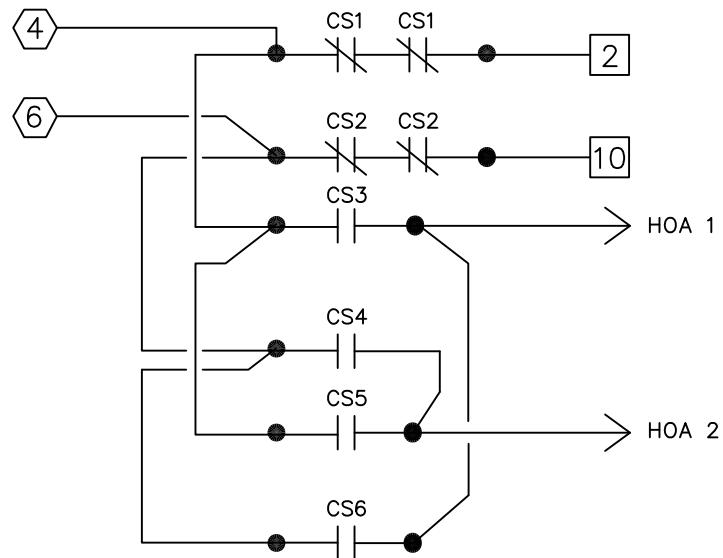


	Drawing Title					
	POWER DIAGRAM					
		1	GENERAL		4/15/11	
	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 11/04/02	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
	C.C.		R.C.	BY CTR	BY	DATE
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/>			PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.			DRAWING NUMBER	CP-1486
					SHEET NUMBER	2

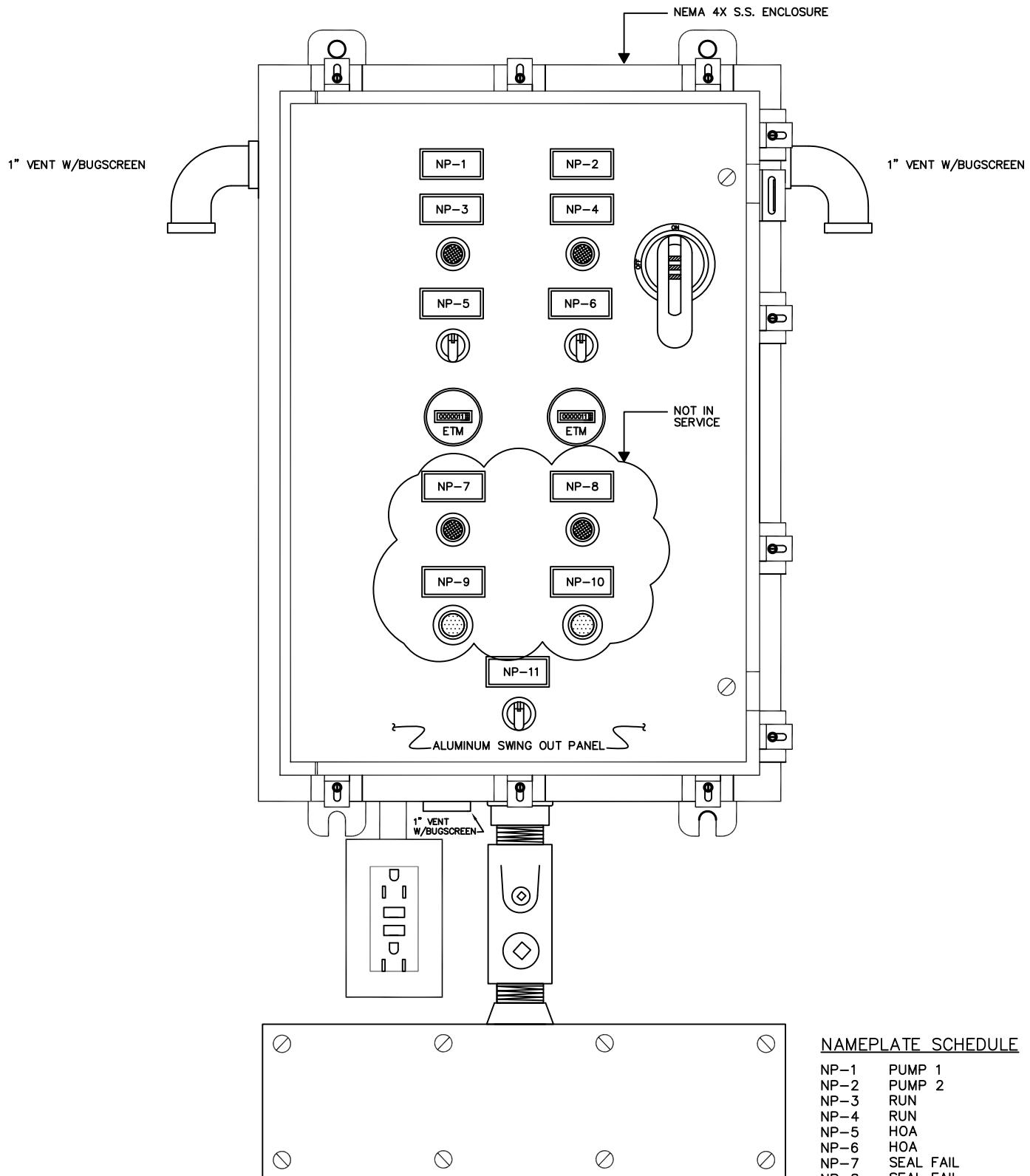


	Drawing Title	GENERAL						
	CONTROL DIAGRAM	1	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE	11/04/02	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
	Project Title	COX				P.O. Box 77808	PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.				Baton Rouge, LA 70809		
						Ph. (225)756-3271	DRAWING NUMBER	
						Fax (225)756-1030	CP-1486	
							SHEET NUMBER	
							3	

ALTERNATOR SWITCH DEVELOPMENT			
	1	A	2
CS1		X	
CS2		X	
CS3	X		
CS4	X		
CS5			X
CS6			X



	Drawing Title							
	ALTERATOR SWITCH DEVELOPMENT							
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 11/04/02			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
			C.C.		R.C.	BY CTR	BY DATE	
	Project Title	COX Research and Technology, Inc.			PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL							
					DRAWING NUMBER CP-1486			
					SHEET NUMBER 4			



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

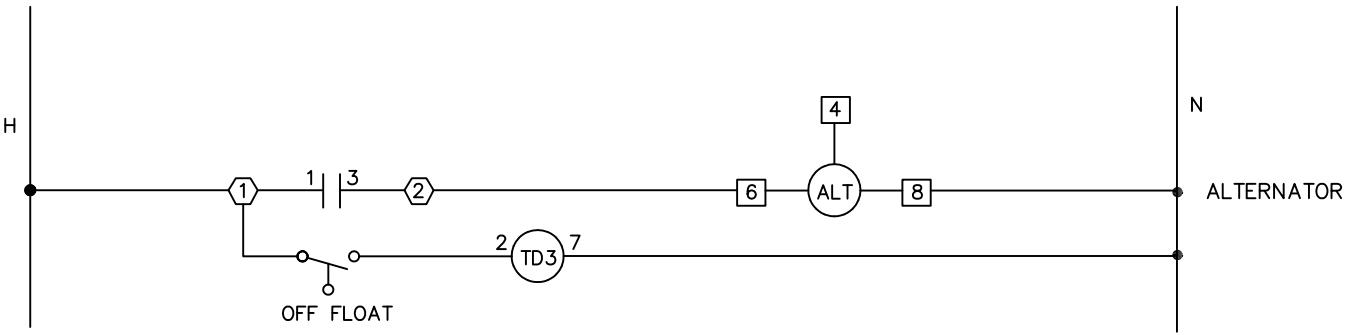
VIEW OF SWING OUT PANEL

Drawing Title	GENERAL						4/15/11
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	
DATE 11/04/02	S/N	Sales Engineer	Application Engineer	DRAWN BY CTR	APPROVED BY DATE		
ENCLOSURE			COX Research and Technology, Inc.			PURCHASE ORDER NUMBER	
DUPLEX PUMP CONTROL PANEL			P.O. Box 77808 Baton Rouge, LA 70809			DRAWING NUMBER CP-1486	
			Ph. (225)756-3271 Fax (225)756-1030			SHEET NUMBER 5	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S363010N4X S.S.	ENCLOSURE - STAINLESS STEEL
1a	1	EBE	A3630P	BACKPLATE
1b	1	EBE	A3630SP	DEAD FRONT
2	1	ABB	OETL-NF 200 ASW	MAIN DISC. SWITCH
3	2	ABB	A75N-30-11-84	MOTOR STARTER
4	2	ABB	TA75DU80	O.L. RELAY (60-80A)
5	1	ABB	OHB80L8	D.S.HANDLE
6	1	ABB	OXP8X240	D.S.SHAFT
7	1	ABB	OZXA-25	TERM LUG KITS
8	1	ABB	OETL-2X200A	TERMINAL SHROUDS
9	1	TIMEMARK	261D120	ALTERNATING RELAY
10	1	SSAC	PLMU-11	PHASE MONITOR
11	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
12	2	SSAC	LLC54AA	SEAL FAIL RELAY
13	2	SQUARE D	QOU115	CB4,5
14	3	OMRON	MK3PN5SAC120	CR1,2,3
15	3	ACI	JR30P3M20B	SW1,2,3
16	2	DAYTON	2A562	TD1,2
17	4	ACI	JR30FR,FG	PL1,2,3,4
18	1	BUSS	16321-1	NEUTRAL BLOCK
19	1	BUSS		NEUTRAL COVER
20	2	SQUARE D	Q2L3125	3P CB1, CB2
21	2	ACI	JR30AN11B	P.B. S3,4
22	3	SSAC	FS126	FLASHER
23	1	HUBBELL	NAV15GG	HIGH LEVEL ALARM LIGHT
24	1	STOCK		GFI RECEPTACLE
25	1	EBE	WIRE TROUGH	10X30X8 316 S.S.
26	1	EBE	BACK PLATE	10X30 ALUMINUM
27	1	ABB	S273 K2A	CB3 2A 3P
28	3	STOCK		BUG VENT
29				
30				
31				

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	BILL OF MATERIALS								
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			C.C.	R.C.					
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	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.				DRAWING NUMBER		
							CP-1486		
							SHEET NUMBER		
							6		



TD3—DAYTON 6A854 ON DELAY

	Drawing Title					
	CONTROL DIAGRAM REVISION					
		1	TD3-DAYTON 6A854 ON DELAY		7/21/03	
	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 11/04/02	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
		C.C.	R.C.	BY CTR	BY	DATE
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/> <hr/>			PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER	CP-1486
					SHEET NUMBER	7