

---

---

# COX

Research and Technology, Inc.

---

---

DUPLEX PUMP  
CONTROL PANEL  
CLIPPER

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

CP-2398

VOLTAGE INPUT	240V 1Ø	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
VOLTAGE OUTPUT (VFD)	240V 3Ø	
NO. MOTORS	2	
HP	6.2	
FLA	9.6 @ 230V 3Ø	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(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	X	(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN	X (PIEZO)	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER		
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		
HEATER		

SOLD TO: Delta Process

TAG : CLIPPER

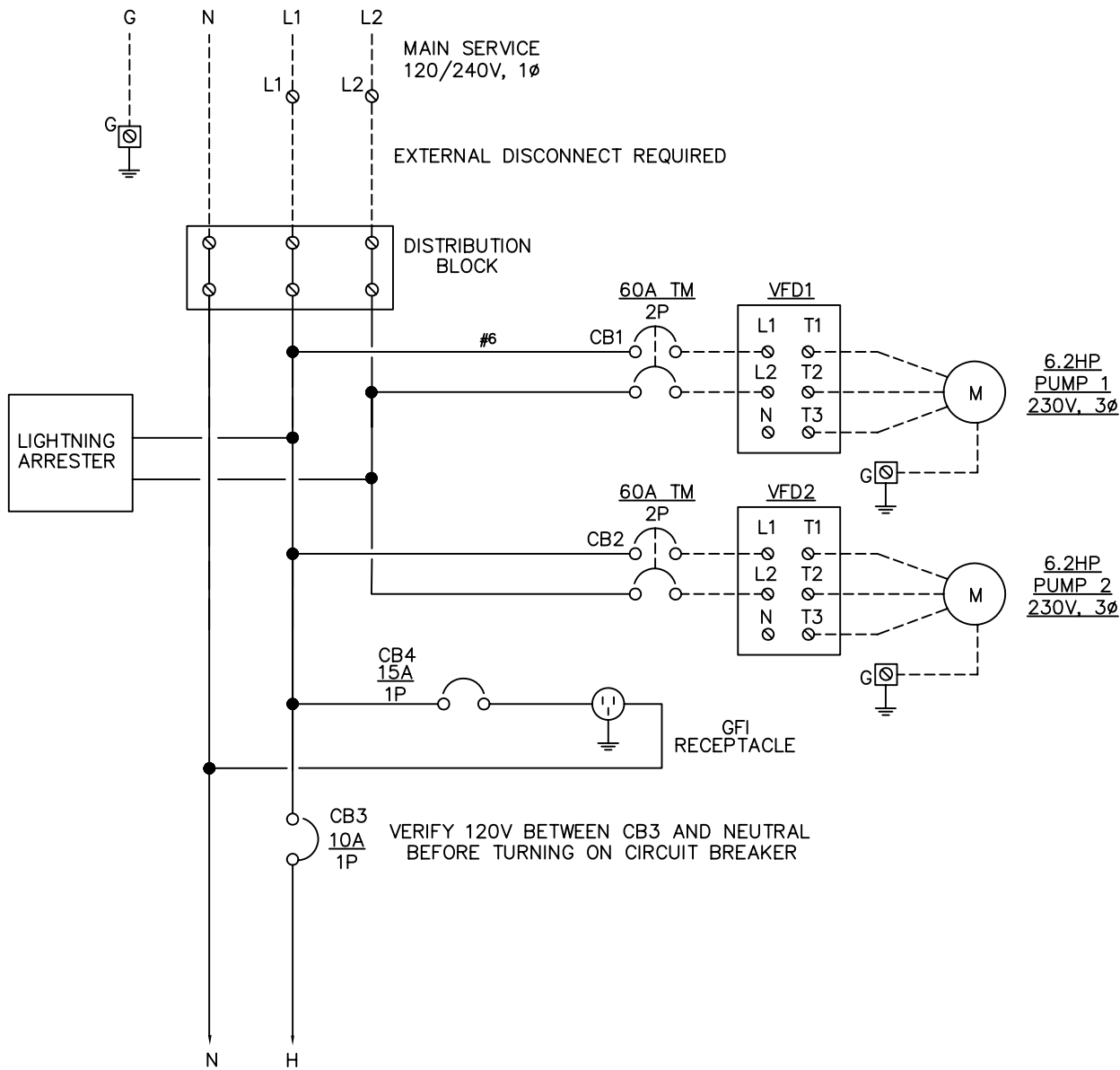
\_\_\_\_\_

SHIP TO: Delta Process

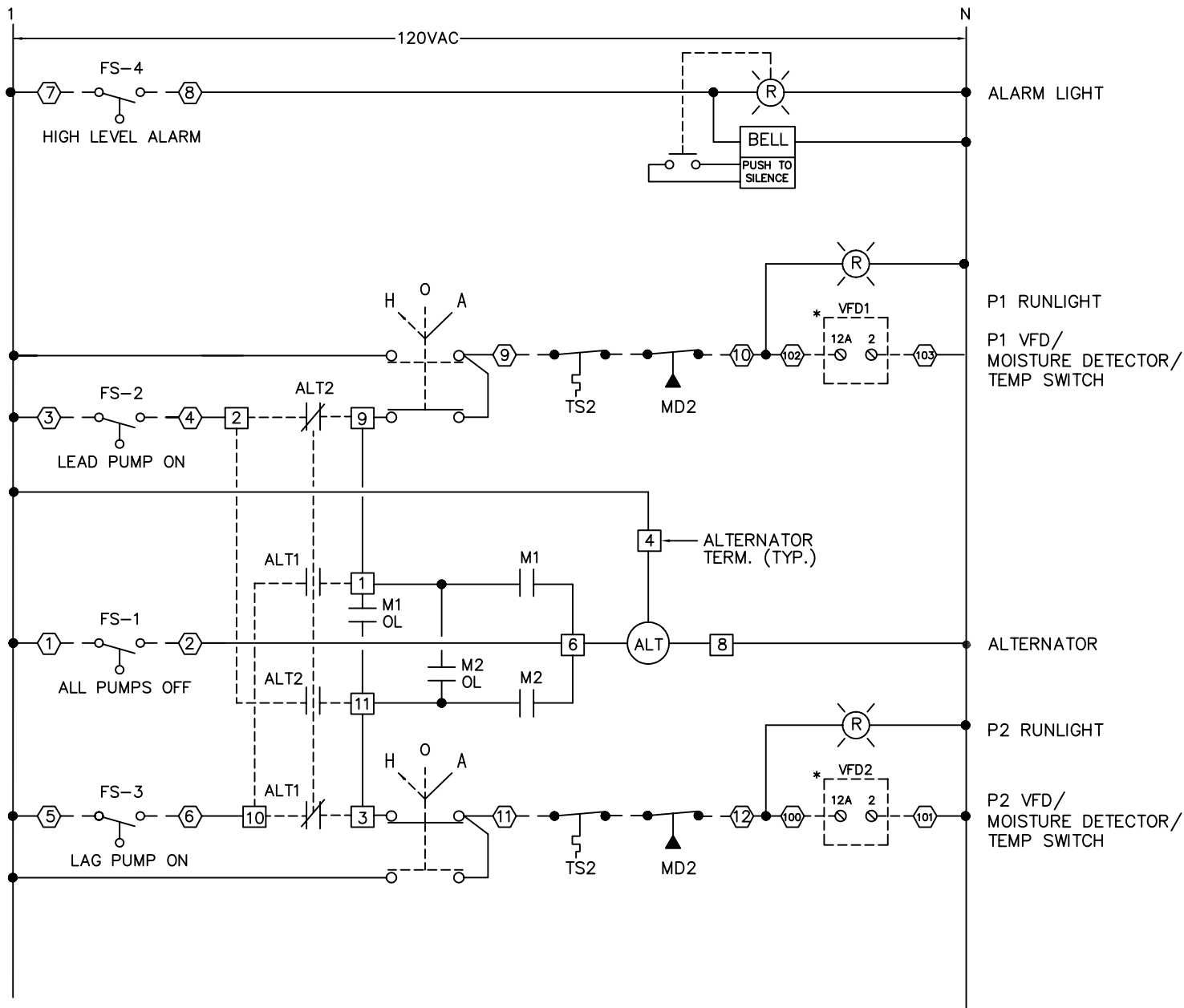
\_\_\_\_\_

\_\_\_\_\_

	Drawing Title							
	PANEL DESCRIPTION							
DATE 6/14/06			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	
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2398	
							SHEET NUMBER 1	



	Drawing Title							
	POWER DIAGRAM							
DATE 6/14/06		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title	DRAWN BY C. RACHAL			APPROVED BY		DATE	
	CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			PURCHASE ORDER NUMBER			
		P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030			DRAWING NUMBER CP-2398			
					SHEET NUMBER			2



\* VFD'S MOUNTED EXTERNAL FROM CONTROL PANEL

	Drawing Title    CONTROL DIAGRAM									
DATE 6/14/06			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		<div>COX</div> <div>Research and Technology, Inc.</div>				P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER	
	CONTROL PANEL									
							DRAWING NUMBER		CP-2398	
							SHEET NUMBER		3	

**COX**

Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809

Ph. (225)756-3271  
Fax (225)755-1030

CP-2398

4

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	3	ACTECH	M12150E	15HP 4XS.S. VFD
3	1	AC/DC	BL5-R-120	ALARM LIGHT
4	2	ACI	JR22P3M20B	HOA SWITCH
5	2	ACI	JR22FR	RED LIGHT
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	1	MARATHON	1323580	DISTRIBUTION BLOCK
8	2	SQUARE D	QOU260	CB1, CB2
9	1	SQUARE D	QOU110	CB3
10	1	SQUARE D	QOU115	CB4
11	1	DELTA	LA302R	LIGHTNING ARRESTER
12	1	INGRAM	PW120AB	BUZZER
13	1	INGRAM	SW120B	SILENCE MODULE
14	1	STOCK		GFI RECEPTACLE
15				
16				
17				

Drawing Title  <div style="text-align: center; font-size: 1.2em; font-weight: bold;">BILL OF MATERIALS</div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">REFERENCE DRAWING</td> <td style="width: 10%;">NO.</td> <td style="width: 45%;">REVISION-LOCATION</td> <td style="width: 10%;">ECN</td> <td style="width: 10%;">DATE</td> <td style="width: 10%;">BY</td> </tr> <tr> <td>S/N</td> <td>Sales Engineer C.C.</td> <td>Application Engineer R.C.</td> <td colspan="2">DRAWN BY C. RACHAL</td> <td>APPROVED BY</td> </tr> </table>	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY
REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY								
S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY								
Project Title  <div style="text-align: center; font-size: 1.2em; font-weight: bold;">           DUPLEX PUMP CONTROL PANEL         </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%; text-align: center;"> <div style="font-size: 1.5em; font-weight: bold;">COX</div> <div style="font-size: 0.8em;">Research and Technology, Inc.</div> </td> <td style="width: 20%;">           P.O. Box 77808            Baton Rouge, LA            70809             Ph. (225)756-3271            Fax (225)755-1030         </td> <td style="width: 40%;">           PURCHASE ORDER NUMBER             DRAWING NUMBER  <div style="text-align: right; font-size: 0.8em;">CP-2398</div>           SHEET NUMBER  <div style="text-align: right; font-size: 0.8em;">5</div> </td> </tr> </table>	<div style="font-size: 1.5em; font-weight: bold;">COX</div> <div style="font-size: 0.8em;">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 <div style="text-align: right; font-size: 0.8em;">CP-2398</div> SHEET NUMBER <div style="text-align: right; font-size: 0.8em;">5</div>									
<div style="font-size: 1.5em; font-weight: bold;">COX</div> <div style="font-size: 0.8em;">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 <div style="text-align: right; font-size: 0.8em;">CP-2398</div> SHEET NUMBER <div style="text-align: right; font-size: 0.8em;">5</div>											