
COX

Research and Technology, Inc.

DUPLEX SUBMERSIBLE PUMP
CONTROL PANEL
AMBER TRACE

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

CP-2244

VOLTAGE	120/208V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2.7	
FLA	8.4	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER	JSV3C60-E2.7	

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		

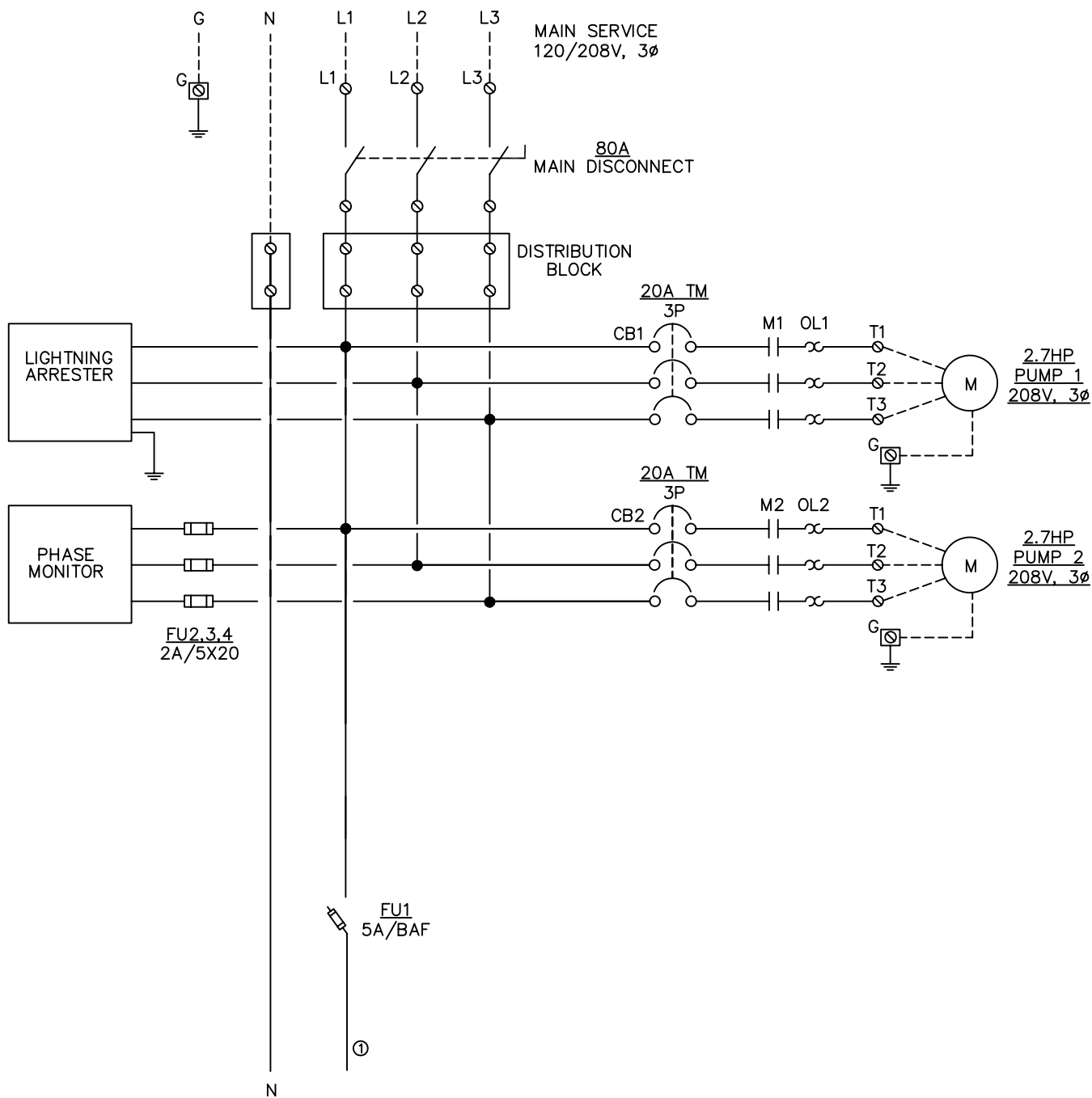
OPTIONS:

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

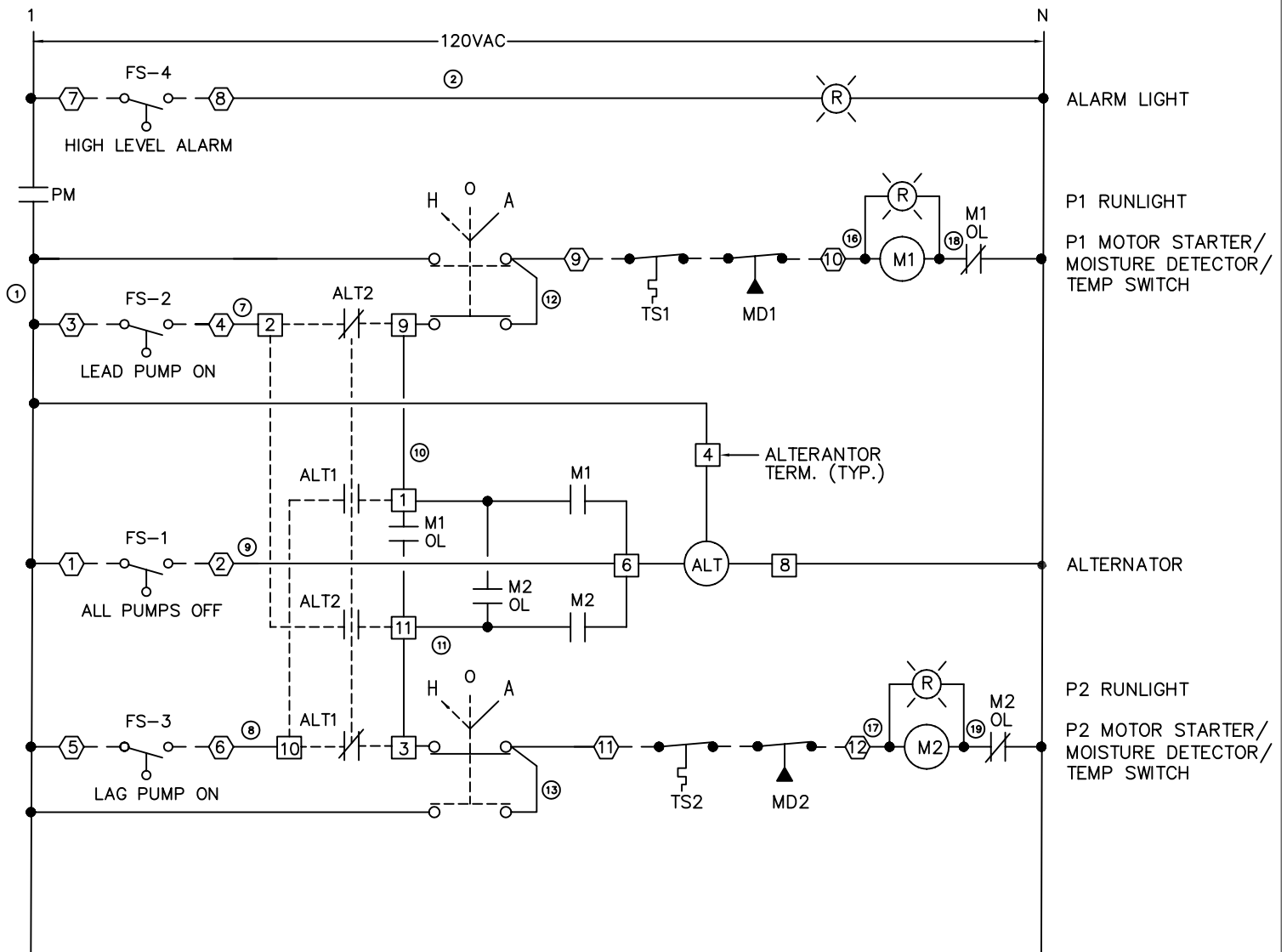
SOLD TO: Delta Process - New Orleans, LA
TAG : AMBER TRACE

SHIP TO: Delta Process - Denham Springs, LA

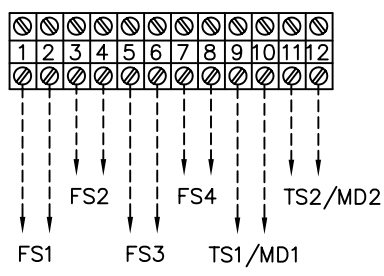
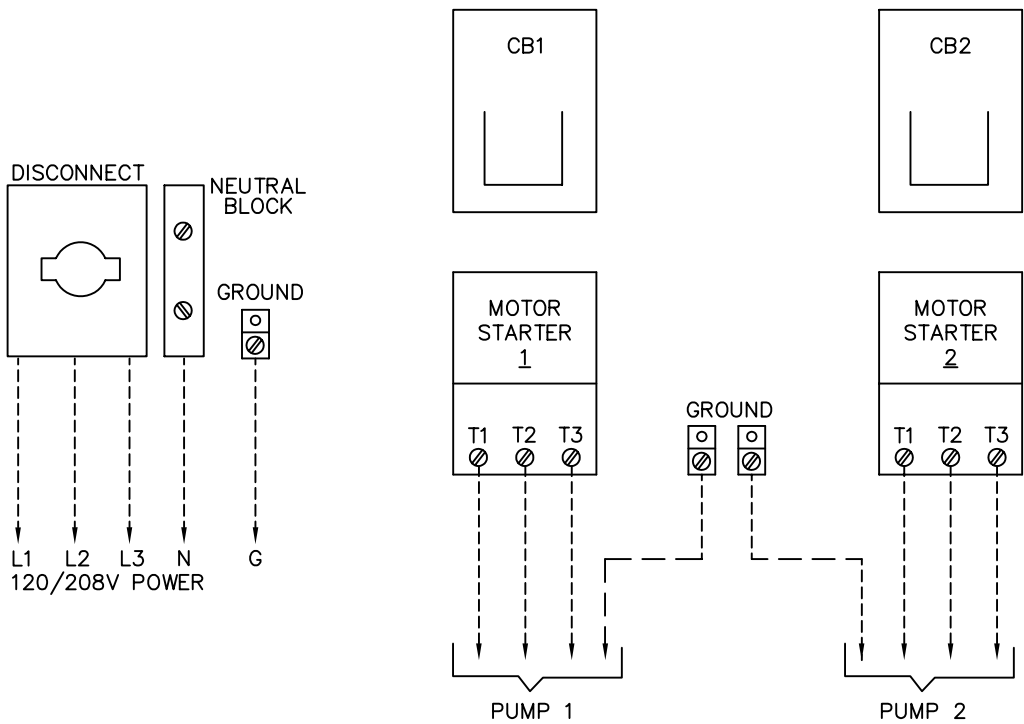
	Drawing Title						
	PANEL DESCRIPTION						
DATE 12/27/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2244
							SHEET NUMBER 1



	Drawing Title							
	POWER DIAGRAM							
DATE 12/27/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2244		
						SHEET NUMBER 2		



Drawing Title							
CONTROL DIAGRAM							
DATE 12/27/05	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
	S/N		Sales Engineer C.C.		Application Engineer R.C.		DATE
Project Title		BY C. RACHAL		APPROVED		BY	DATE
CONTROL PANEL		PURCHASE ORDER NUMBER		DRAWING NUMBER		CP-2244	
		SHEET NUMBER		Ph. (225)756-3271		Fax (225)755-1030	
						3	



FS1 – FLOAT SWITCH 1
 ALL PUMPS OFF
 FS2 – FLOAT SWITCH 2
 LEAD PUMP ON
 FS3 – FLOAT SWITCH 3
 LAG PUMP ON
 FS4 – FLOAT SWITCH 4
 HIGH LEVEL ALARM
 TS1/MD1 – TEMP. SWITCH/MOISTURE DETECTOR 1
 TS2/MD2 – TEMP. SWITCH/MOISTURE DETECTOR 2

Drawing Title									
EXTERNAL CONNECTIONS									
DATE	12/27/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
		S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
			C.C.	R.C.	BY C. RACHAL		BY		DATE
Project Title		<div style="text-align: center;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
CONTROL PANEL							DRAWING NUMBER CP-2244		
							SHEET NUMBER 5		

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM24200RLDF	ENCLOSURE
1a	1	ALLIED	BP2420AL	BACKPLATE
2	2	SQUARE D	8536SB02V02	MOTOR STARTER
3	6	SQUARE D	B14.0	HEATER PACK
4	2	SQUARE D	QOU320	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	2	ACI	JR22P3M20B	HOA SWITCH
7	2	ACI	JR22FR	RED LIGHT
8	1	AC/DC	BL5-R-120	ALARM LIGHT
9	1	SSAC	PLMU-11	PHASE MONITOR
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	1	MARATHON	1321580	NEUTRAL BLOCK
12	1	DELTA	LA603	LIGHTNING ARRESTER
13	1	ABB	OT63E3	DISCONNECT
14	2	SQUARE D	9999S04	O.L. AUX. CONTACT
15				

	Drawing Title						
	BILL OF MATERIALS						
DATE 12/27/05		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: 100px;"> COX <small>Research and Technology, Inc.</small> </div>			<small>P.O. Box 77808 Baton Rouge, LA 70809</small>		<small>PURCHASE ORDER NUMBER</small> <small>DRAWING NUMBER</small> CP-2244 <small>SHEET NUMBER</small> 6
	CONTROL PANEL				<small>Ph. (225)756-3271 Fax (225)755-1030</small>		