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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL

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

CP-1563

VOLTAGE	240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2.7	
FLA	9.0	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER	JSV3 C60-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		

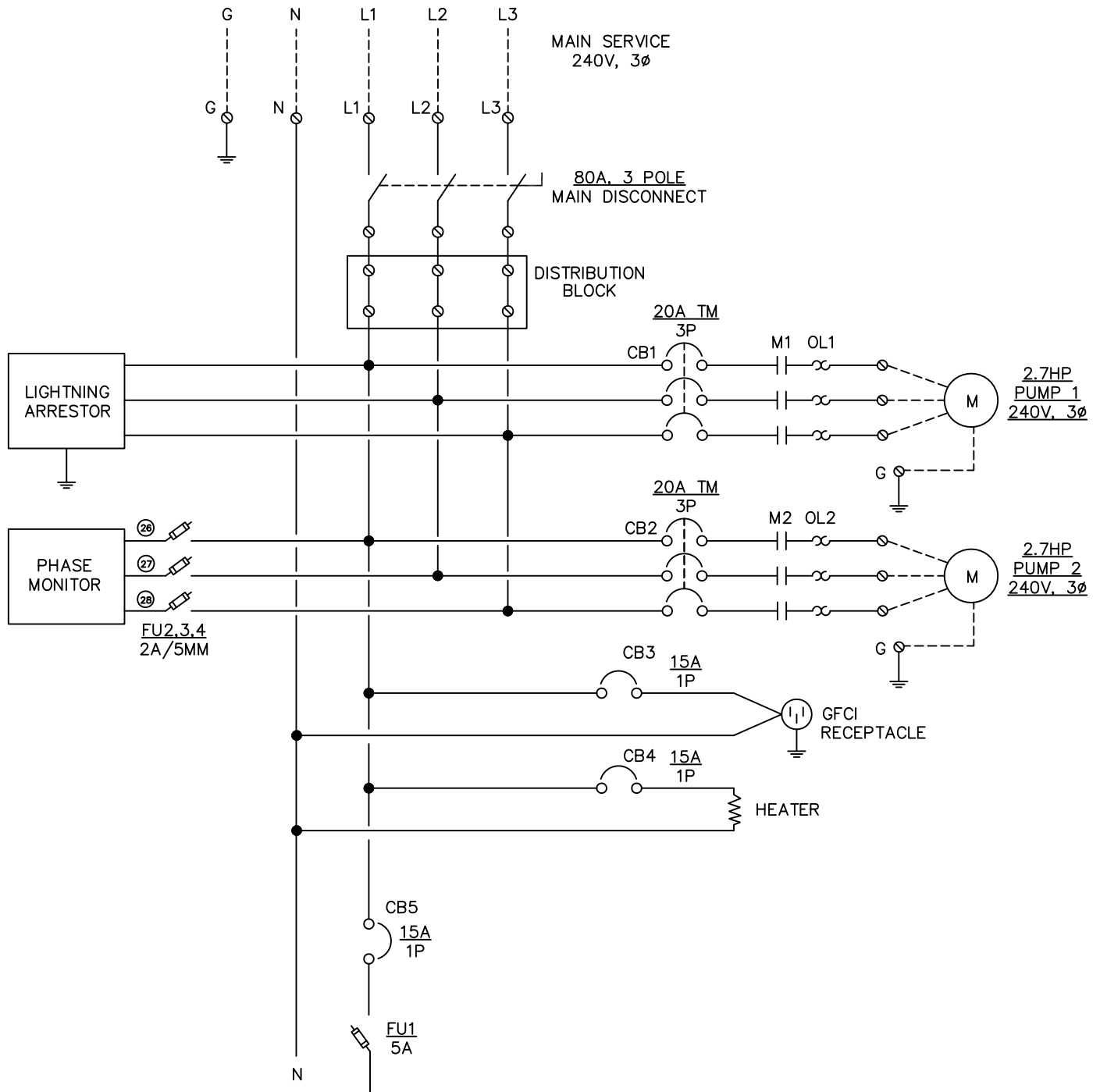
OPTIONS:

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	X	
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
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	X	

SOLD TO: Delta Process - Bossier City, LA  
TAG : PLAIN DEALINGS

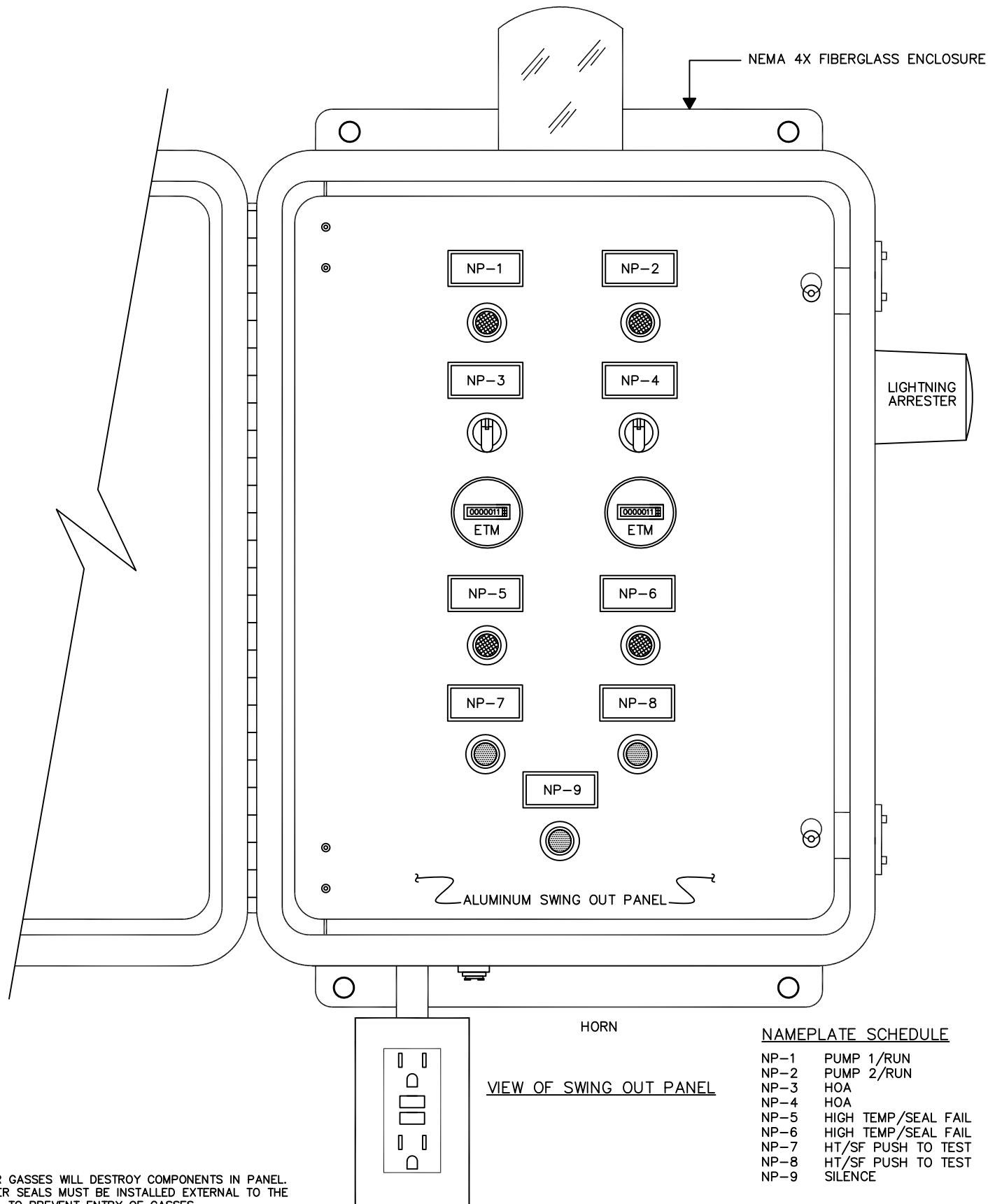
SHIP TO: Delta Process - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 5/12/03		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  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1563 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						



	Drawing Title								
	POWER DIAGRAM								
DATE	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE	BY
5/12/03	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)756-1030		PURCHASE ORDER NUMBER	
	CONTROL PANEL							DRAWING NUMBER CP-1563	
								SHEET NUMBER 2	





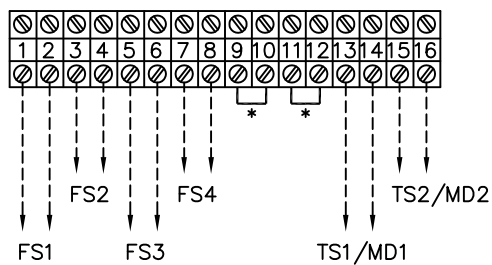
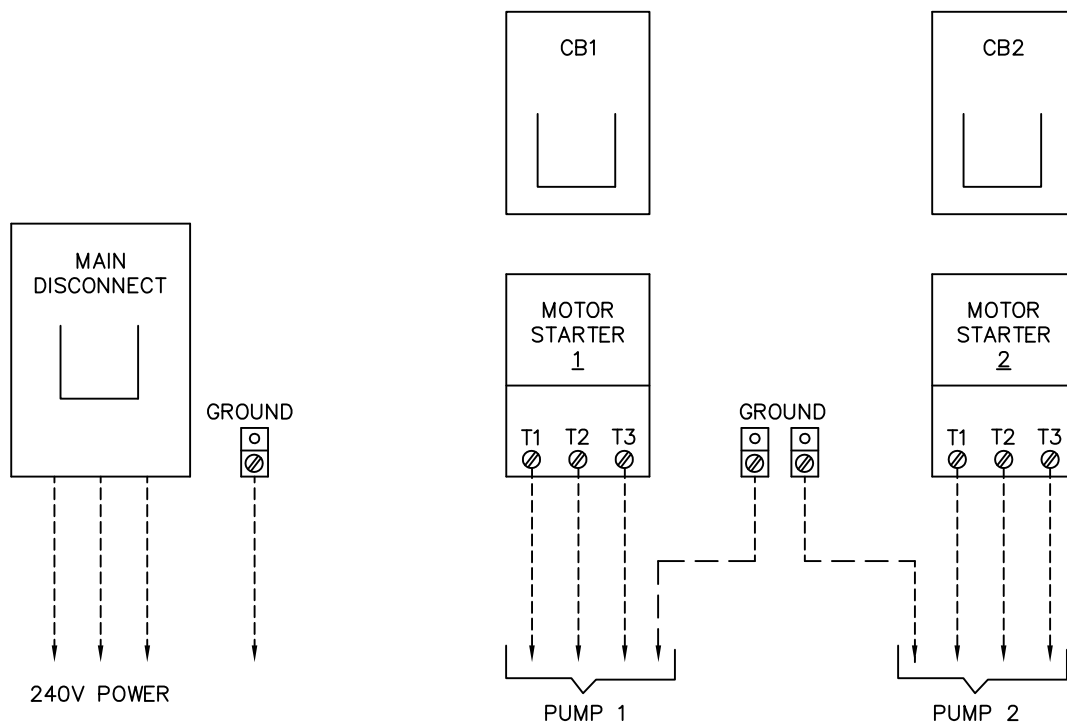
	Drawing Title								
	ENCLOSURE								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
5/12/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED			
	Project Title							PURCHASE ORDER NUMBER	
	CONTROL PANEL							DRAWING NUMBER CP-1563	
								SHEET NUMBER	4

**COX**

Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809

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Fax (225)756-1030



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

\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title							
	EXTERNAL CONNECTIONS							
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
5/12/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	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		PURCHASE ORDER NUMBER	
	CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1563	
							SHEET NUMBER 5	

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU11	O.L. RELAY (7.5-11A)
5	2	SQUARE D	QOU320	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22P3M20B	HOA SWITCH
8	4	ACI	JR22FR	RED LIGHT
9	1	AC/DC	BL5-R-120-TF	ALARM LIGHT
10	1	C-H	CHSA03	LIGHTNING ARRESTER
11	2	GRASSLIN	UWZ52E	ETM
12	1	INGRAM	SP 120-1	ALARM HORN
13	3	ACI	JR22AN11B	PB
14	1	SSAC	PLM U11	PHASE MONITOR
15	1	TEEL	1D008	HEATER
16	1	STOCK		GFI RECEPTACLE
17	3	SQUARE D	QOU115	CB 3,4,5
18	3	OMRON	G2R2SAC120	CR 1,2,3
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	<h3 style="margin: 0;">BILL OF MATERIALS</h3>						
DATE 5/12/03		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: 150px;"> <h2 style="margin: 0;">COX</h2> <p style="margin: 0; font-size: small;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1563 SHEET NUMBER
	CONTROL PANEL						6