

---

---

# COX

Research and Technology, Inc.

---

---

## 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-1383

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	20	
FLA	24.5	
TYPE OF PUMP	Vertical	(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	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	X	
ELAPSED TIME METER		
PHASE MONITOR	X	
NEMA RATED STARTERS	X	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process

TAG : \_\_\_\_\_

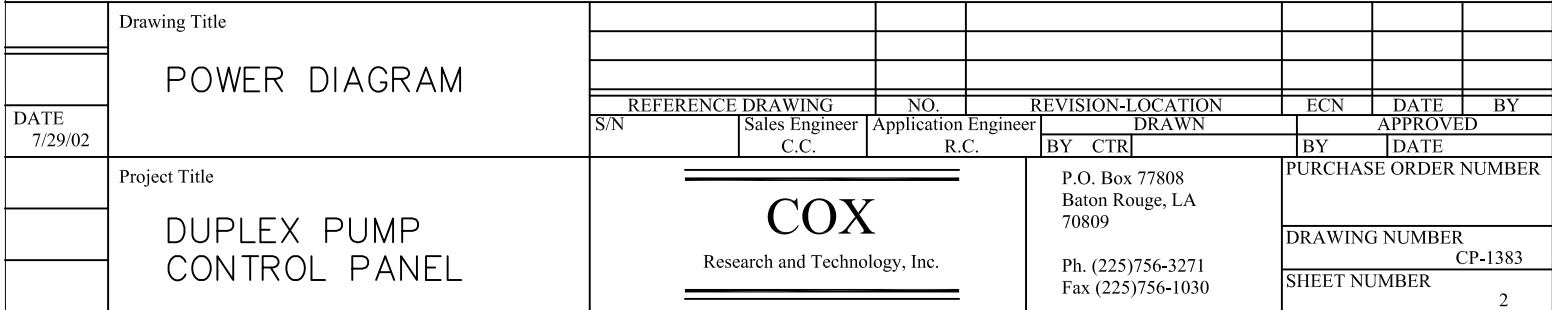
\_\_\_\_\_

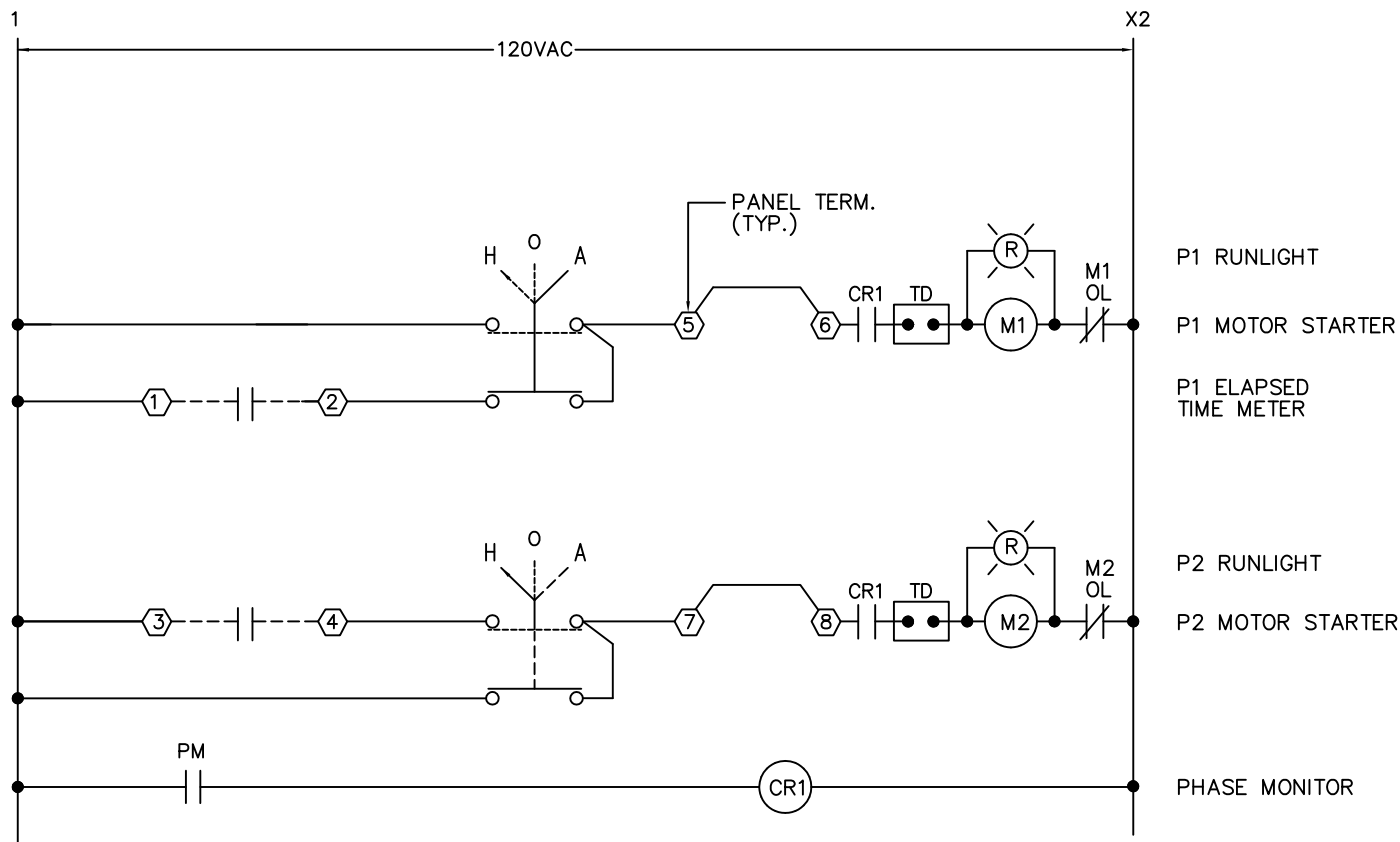
SHIP TO: Delta Process - Denham Springs, LA

\_\_\_\_\_

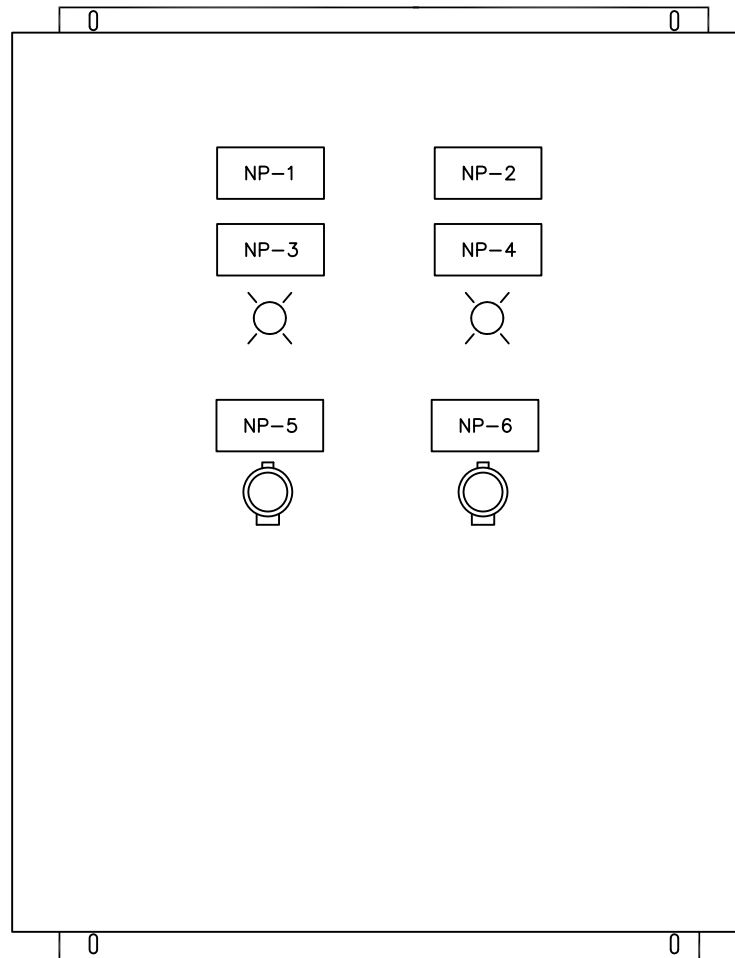
\_\_\_\_\_

	Drawing Title						
	PANEL DESCRIPTION						
DATE 7/29/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY CTR	ECN	DATE
	Project Title	<div> <div>COX</div> <div>Research and Technology, Inc.</div> </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1383 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						





	Drawing Title							
	CONTROL DIAGRAM							
DATE 7/29/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title	DRAWN BY CTR			APPROVED BY DATE			
	DUPLEX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			PURCHASE ORDER NUMBER			
					DRAWING NUMBER CP-1383			
					SHEET NUMBER 3			
		P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030						



VIEW OF SWING OUT PANEL

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

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

	Drawing Title						
	ENCLOSURE						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
7/29/02		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED	
	Project Title				BY	DATE	
	DUPLEX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
					Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1383
							SHEET NUMBER 4

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S24208N4X	ENCLOSURE
1a	1	EBE	A2420P	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A26-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU25	O.L. RELAY (18-25A)
5	2	ABB	S1N060TL	CB1, CB2
6	2	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	SQUARE D	9070TF150D1	TRANSFORMER
9	1	C-H	CHSA03	LIGHTNING ARRESTER
10	1	SSAC	PLMU-11	PHASE MONITOR
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title							
	BILL OF MATERIALS							
DATE 7/29/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
				DRAWN BY CTR		APPROVED BY	DATE	
	Project Title					PURCHASE ORDER NUMBER		
	DUPLX PUMP CONTROL PANEL	COX  Research and Technology, Inc.				P.O. Box 77808 Baton Rouge, LA 70809		
						Ph. (225)756-3271 Fax (225)756-1030		
						DRAWING NUMBER CP-1383		
						SHEET NUMBER 5		