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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
TOWN OF WISNER  
LIFT STATION #4

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

CP-2210

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	5	
FLA	15.2	
TYPE OF PUMP	Self-Priming	(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		(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		
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	X	
ECONOMY VERSION		

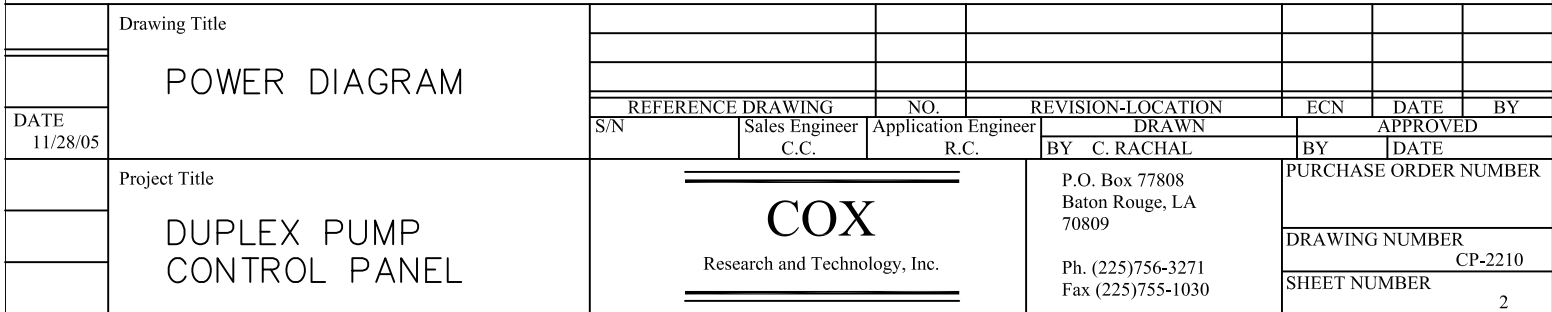
SOLD TO: Delta Process - Ruston, LA

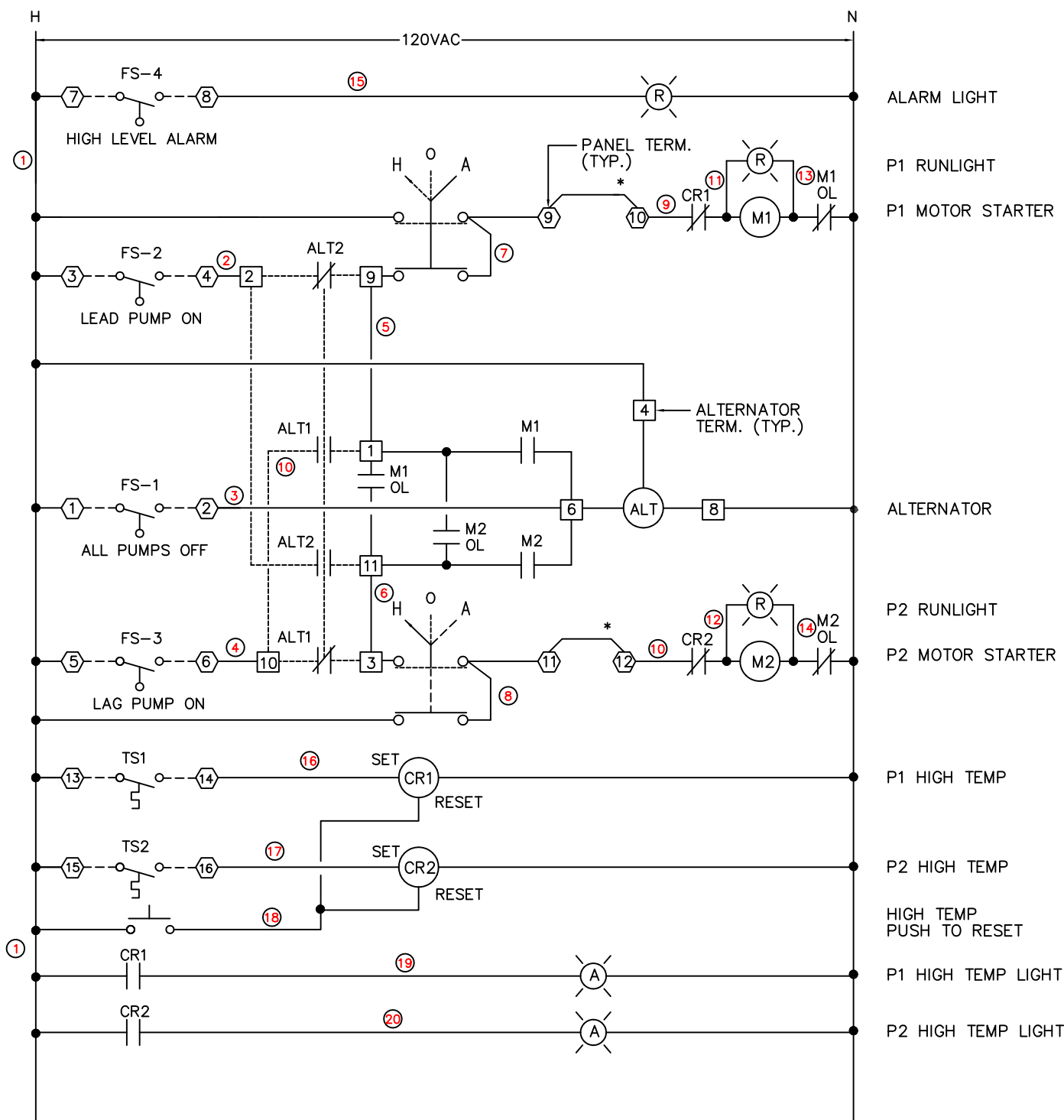
TAG : Town of Wisner

Lift Station #4

SHIP TO: Delta Process - Ruston, LA

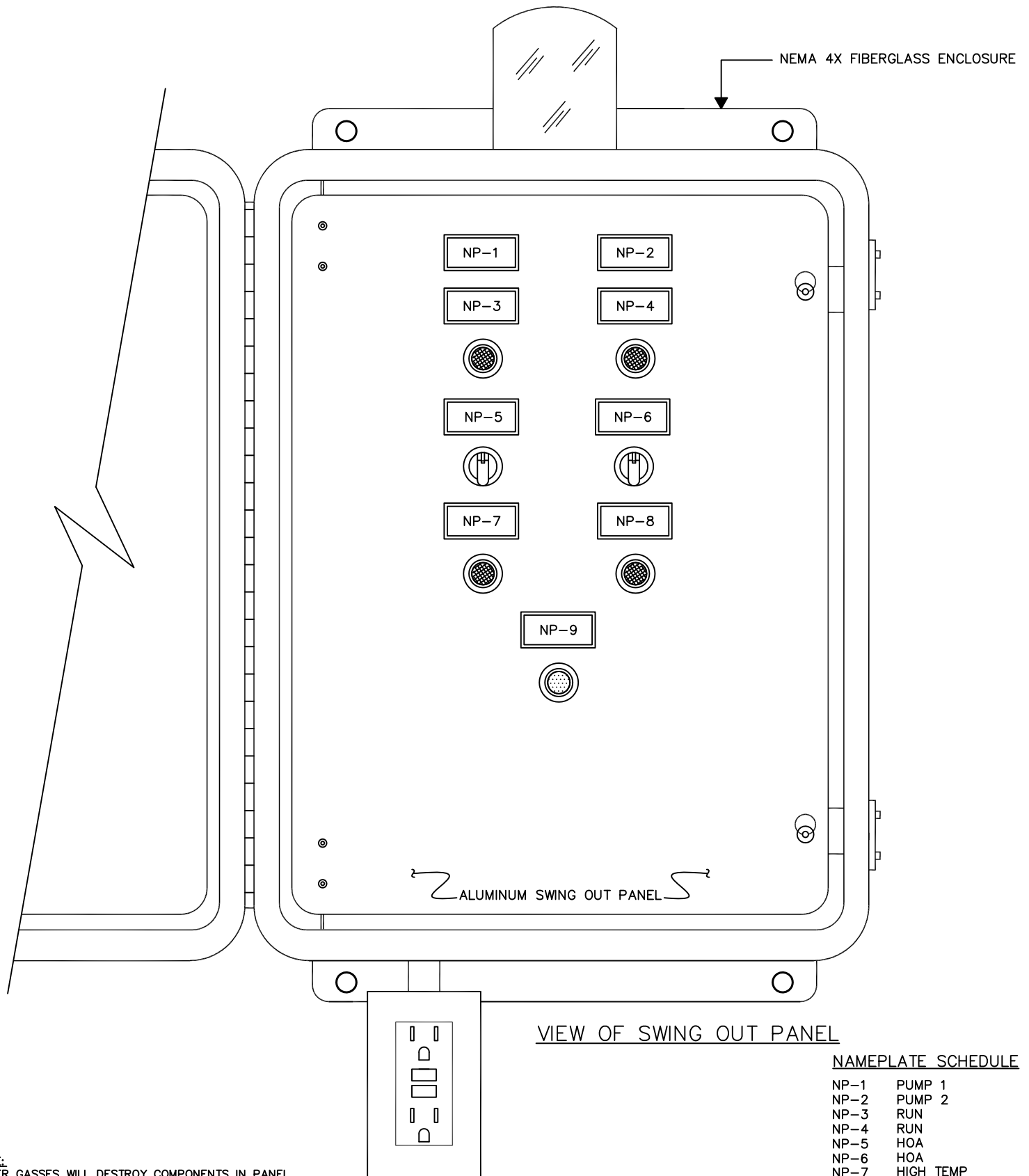
	Drawing Title						
	PANEL DESCRIPTION						
DATE 11/28/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2210
							SHEET NUMBER 1





\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

Drawing Title	CONTROL DIAGRAM		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 11/28/05			S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY DATE
Project Title	DUPLIX PUMP CONTROL PANEL		<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  DRAWING NUMBER CP-2210 SHEET NUMBER 3



**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
NP-7	HIGH TEMP
NP-8	HIGH TEMP
NP-9	HIGH TEMP RESET

DATE 11/28/05	Drawing Title								
	ENCLOSURE								
	Project Title								
	DUPLEX PUMP CONTROL PANEL								
		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
		S/N		Sales Engineer		Application Engineer		DRAWN	
		C.C.		R.C.		BY C. RACHAL		APPROVED	
								BY	DATE
								PURCHASE ORDER NUMBER	
								DRAWING NUMBER	
								CP-2210	
								SHEET NUMBER	
								4	

**COX**


Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809

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

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	2	ABB	A16-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU19	O.L. RELAY (13-19A)
4	2	SQUARE D	QOU330	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	2	ACI	JR22FY	AMBER PILOT LIGHT
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	ACI	JR22AN11B	PUSH BUTTON
10	1	SQUARE D	QOU115	CB3
11	2	MAGNECRAFT	W388AMLCPX-9	LATCHING RELAYS
12	1	AC/DC	BL5-R-120	ALARM LIGHT
13	1	ABB	OT63E3	DISCONNECT SWITCH
14	1	SQUARE D	QOU110	CB4
15	1	MARATHON	1323580	DISTRIBUTION BLOCK
16	1	MARATHON	1321580	NEUTRAL BLOCK
17	1	STOCK		GFI RECEPTACLE
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title								
	BILL OF MATERIALS								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION			ECN	DATE	BY
11/28/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
					BY C. RACHAL		BY	DATE	
	Project Title					P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	<div style="text-align: center;">   Research and Technology, Inc. </div>					DRAWING NUMBER CP-2210		
							SHEET NUMBER 5		