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# COX

Research and Technology, Inc.

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DUPLEX SELF PRIMING PUMP  
CONTROL PANEL  
LIFT STATIONS 2 & 11

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

CP-2225

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	6.8	
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		
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	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET	X	
ECONOMY VERSION		

SOLD TO: Delta Process - Bossier City, LA


TAG : Lift Stations 2 & 11

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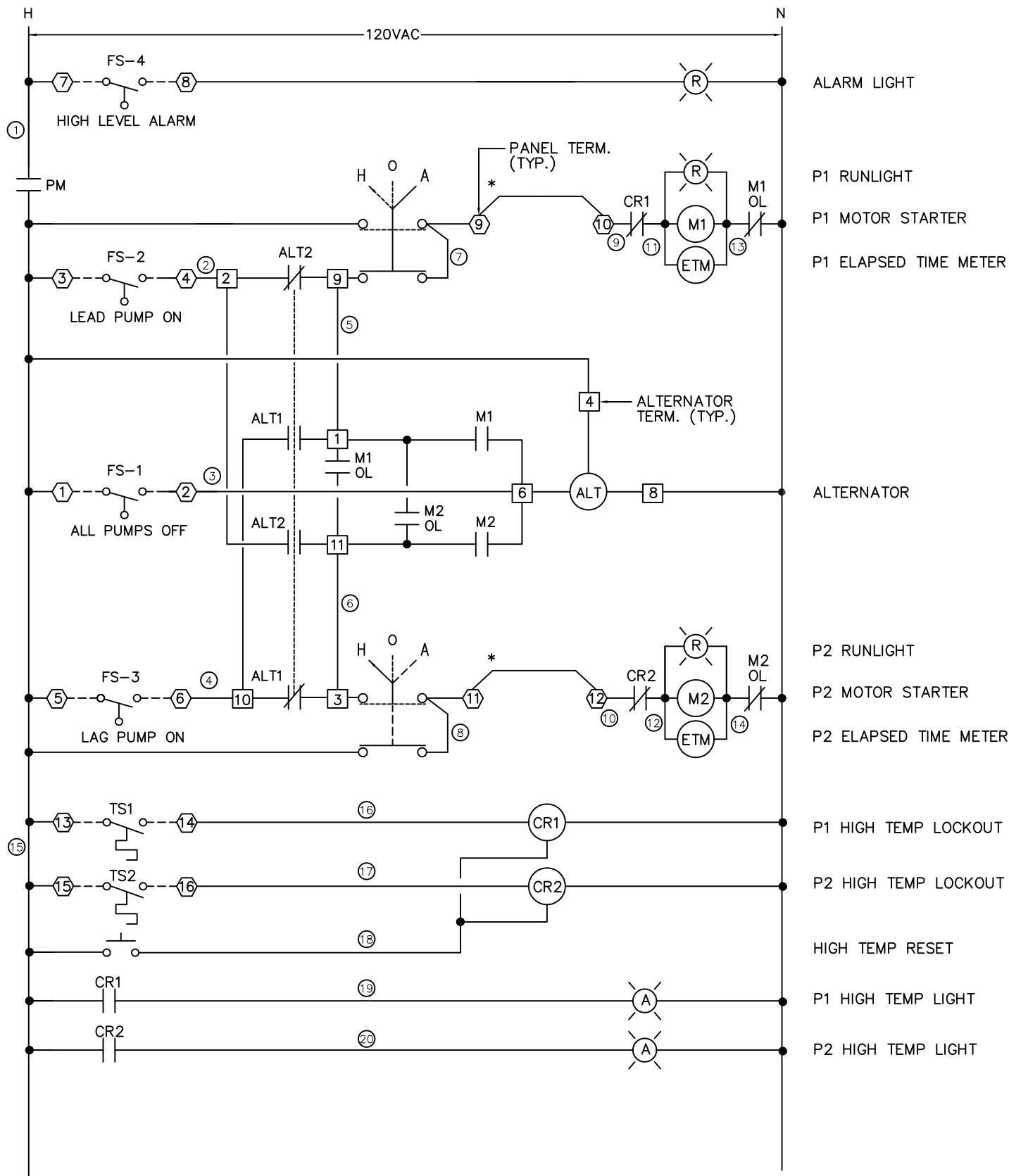
SHIP TO: Delta Process - Ruston, LA

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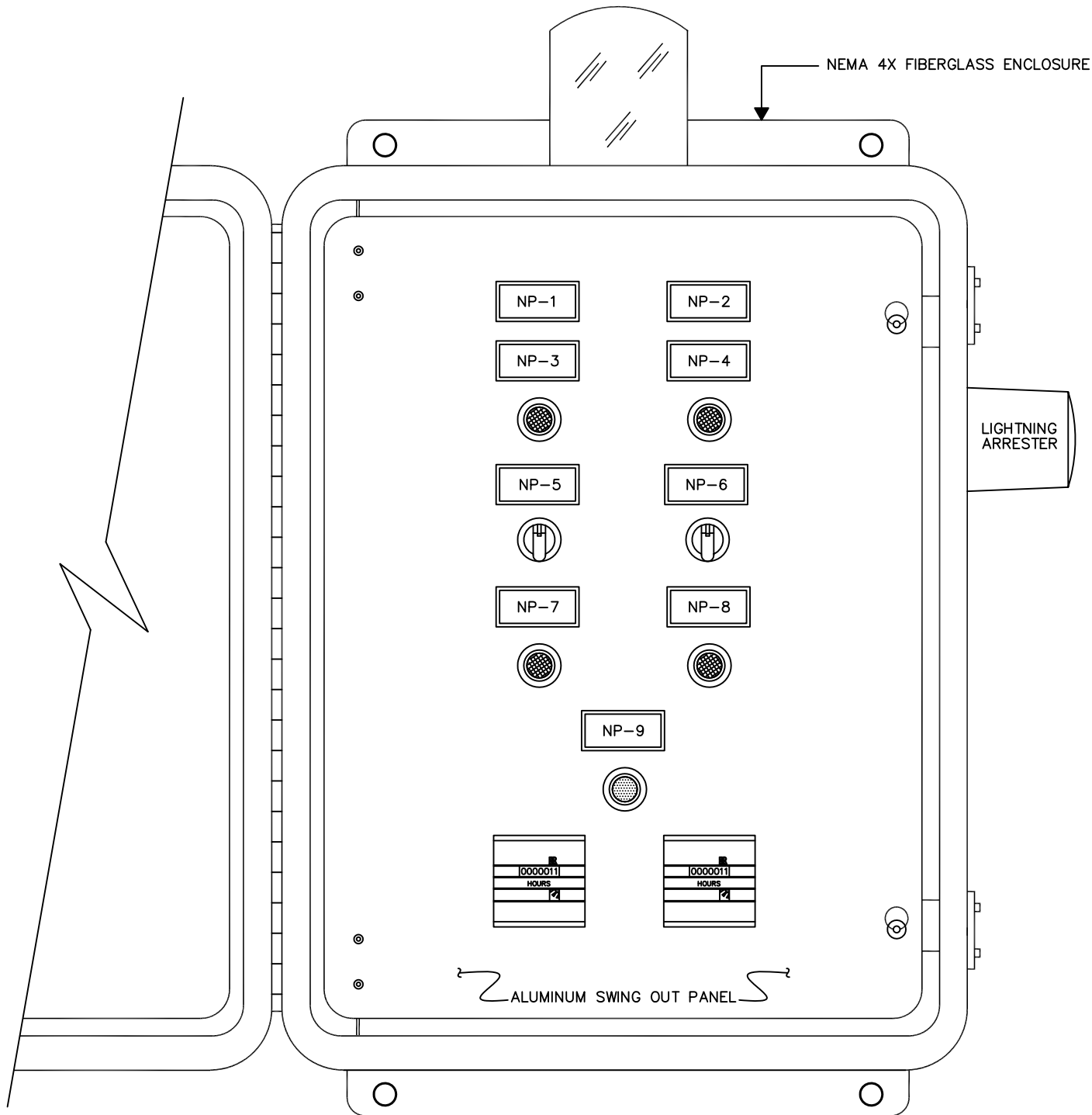
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	Drawing Title						
	PANEL DESCRIPTION						
DATE 12/09/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;">   <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX S.P. PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2225
							SHEET NUMBER 1





Drawing Title	CONTROL DIAGRAM					
DATE 12/09/05	Project Title	<div>COX</div> <div>Research and Technology, Inc.</div>				<div>P.O. Box 77808 Baton Rouge, LA 70809</div> <div>Ph. (225)756-3271 Fax (225)755-1030</div>
		<div>PURCHASE ORDER NUMBER</div> <div>DRAWING NUMBER CP-2225</div> <div>SHEET NUMBER 3</div>				
		<div>REFERENCE DRAWING NO. REVISION-LOCATION ECN DATE BY</div> <div>S/N Sales Engineer C.C. Application Engineer R.C. DRAWN BY C. RACHAL APPROVED BY DATE</div>				



VIEW OF SWING OUT PANEL

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	PUSH TO RESET

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

Drawing Title									
ENCLOSURE									
		REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	
DATE 12/09/05	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL		APPROVED BY		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 S.P. PUMP CONTROL PANEL						Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2225	
								SHEET NUMBER 4	

## BILL OF MATERIALS

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	TA25DU8.5	O.L. (6.0-8.5A)
5	2	SQUARE D	QOU315	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	1	AC/DC	BL5-R-120	ALARM LIGHT
9	1	DELTA	LA603	LIGHTNING ARRESTER
10	2	ACI	JR22P3M20B	HOA SWITCH
11	2	ACI	JR22FY	AMBER PILOT LIGHT
12	1	MARATHON	1321580	NEUTRAL BLOCK
13	1	ACI	JR22AN11B	PUSH BUTTON
14	2	MAGNACRAFT	W388AMLCPX-9	LATCHING RELAY CR3,4
15	2	MARATHON	1323580	CR1,2
16	1	SSAC	PLMU-11	PHASE MONITOR
17	1	SQUARE D	QOU110	CB3
18	1	SQUARE D	QOU120	CB4
19	2	REDINGTON	711-0190	ELAPSED TIME METER
20				
21				

	Drawing Title						
	BILL OF MATERIALS						
DATE 12/09/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <b>COX</b>  <small>Research and Technology, Inc.</small> </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2225 SHEET NUMBER <div style="text-align: right;">5</div>
	DUPLEX S.P. PUMP CONTROL PANEL						