

---

---

# COX

Research and Technology, Inc.

---

---

DUPLEX PUMP  
CONTROL PANEL  
LIFT STATION #6

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

CP-2236

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	11	
FLA	30.4	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	GORMAN RUPP	
CATALOG NUMBER		

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Painted Steel	(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		
LIGHT PANEL MTD		
LIGHT REMOTE MTD	X	
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS	X ABB	
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 - Ruston, LA

TAG : LIFT STATION #6

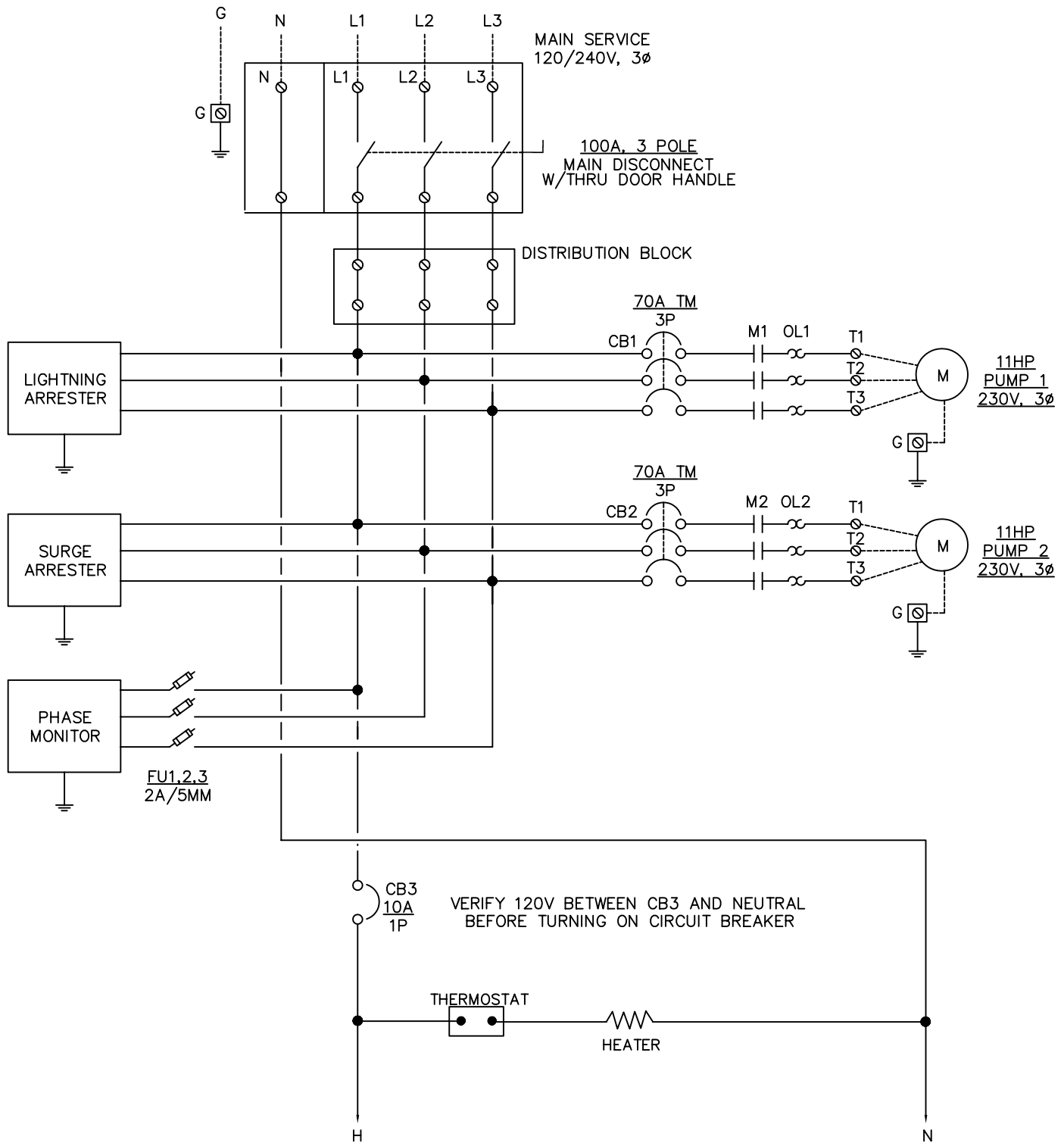
\_\_\_\_\_

SHIP TO: Delta Process - Ruston, LA

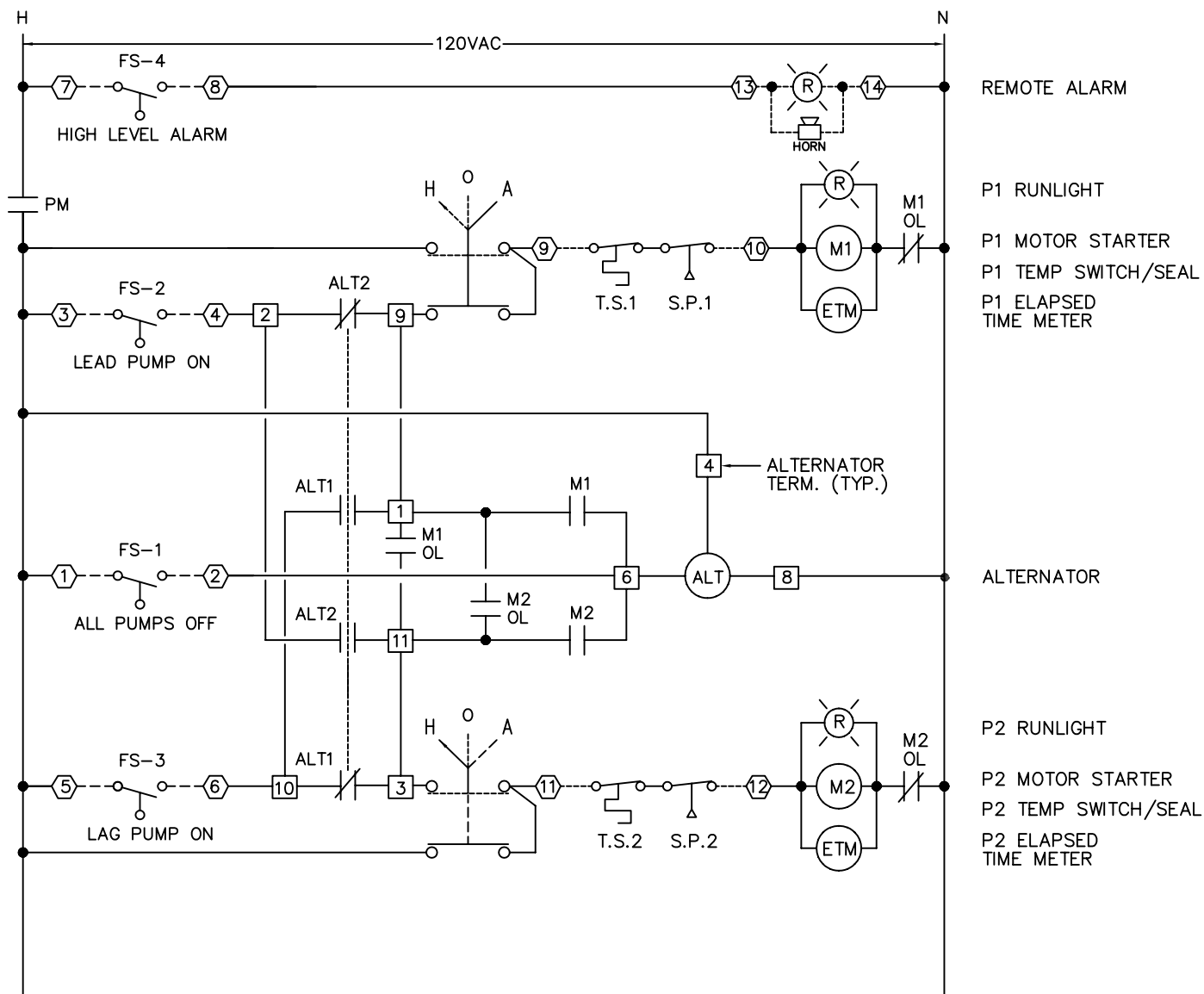
\_\_\_\_\_

\_\_\_\_\_

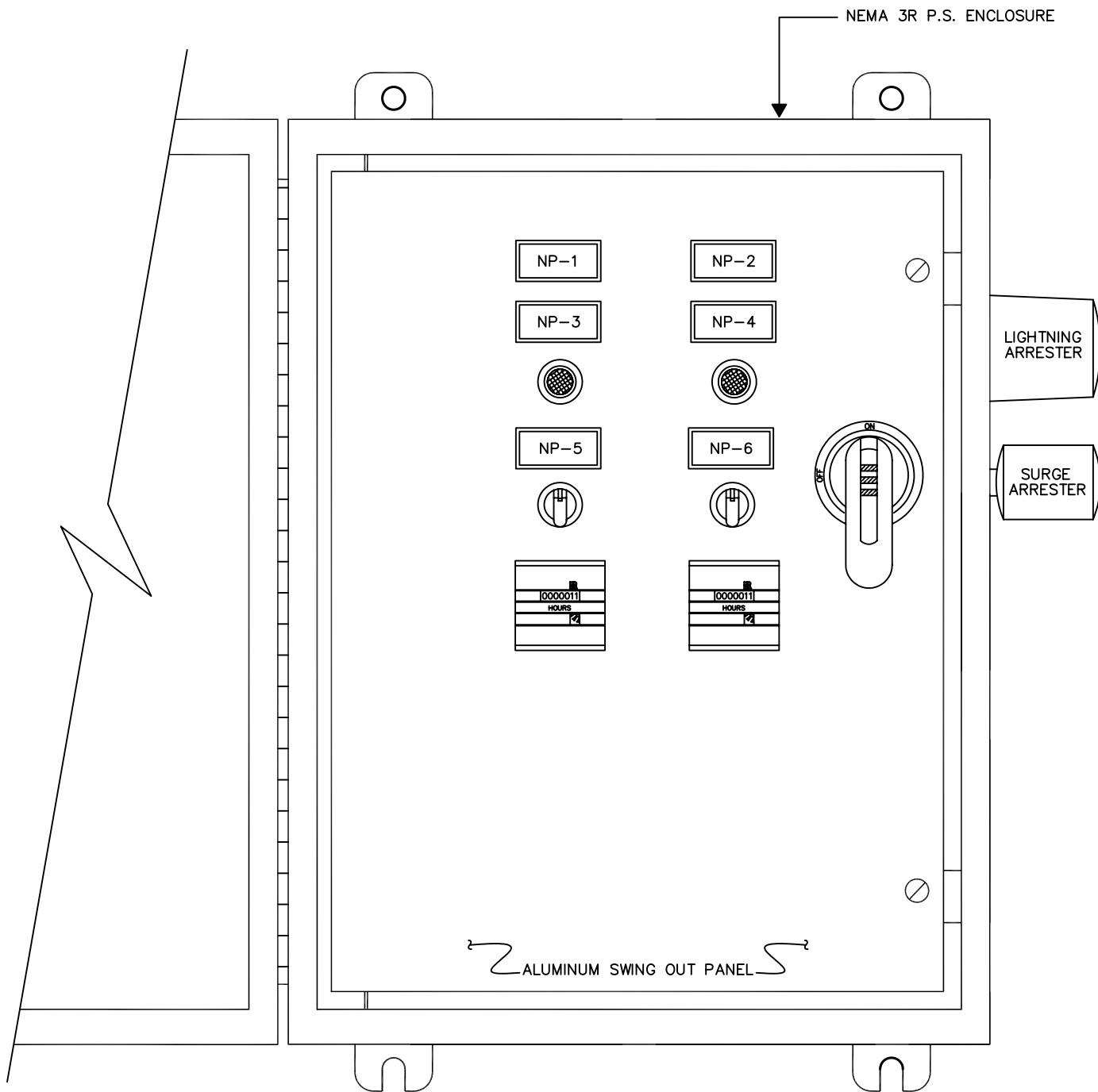
	Drawing Title						
	PANEL DESCRIPTION						
DATE 12/19/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;"> <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLIX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2236
							SHEET NUMBER 1



	Drawing Title								
	POWER DIAGRAM								
DATE 12/19/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY	APPROVED
	Project Title	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-2236			
						SHEET NUMBER 2			



DATE 12/19/05	Drawing Title						
	CONTROL DIAGRAM						
	Project Title						
	DUPLEX PUMP CONTROL PANEL	REFERENCE DRAWING		NO.		REVISION-LOCATION	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	ECN	DATE
		COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2236	
						SHEET NUMBER 3	



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

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								
DATE 12/19/05		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED	BY	DATE	
	Project Title				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL	<div>COX</div> <div>Research and Technology, Inc.</div>			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2236			
						SHEET NUMBER 4			

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	C & I	C-242010RHPL	ENCLOSURE
1a	1	C & I	CI-24P20	BACKPLATE
1b	1	C & I	CI-2420SPA	DEAD FRONT
2	1	ABB	OT1003E3	MAIN DISC. SWITCH
3	2	ABB	A50N2-30-11-84	MOTOR STARTER
4	2	ABB	TA75DU32	O.L. (22-32A)
5	2	SQUARE D	QOU370	CB1, CB2
6	1	SQUARE D	QOU110	CB3
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	2	ACI	JR22FR	RED PILOT LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	2	REDINGTON	711-0190	ELAPSED TIME METER
12	1	DELTA	LA603	LIGHTNING ARRESTER
13	1	DELTA	CA603R	SURGE CAPACITOR
14	1	MARATHON	1321570	NEUTRAL BLOCK
15	1	ABB	OXF5X265	SHAFT
16	1	ABB	OHB65J5	HANDLE
17	1	DAYTON	4BA54	HEATER
18	1	SAGINAW	SCE-TEMNC	THERMOSTAT
19	1	SSAC	PLMU-11	PHASE MONITOR
20				
21				
22				
23				
24				
25				

[illegible]