
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
LIFT STATION 7

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

CP-2230

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	5	
FLA	21.9	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
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:

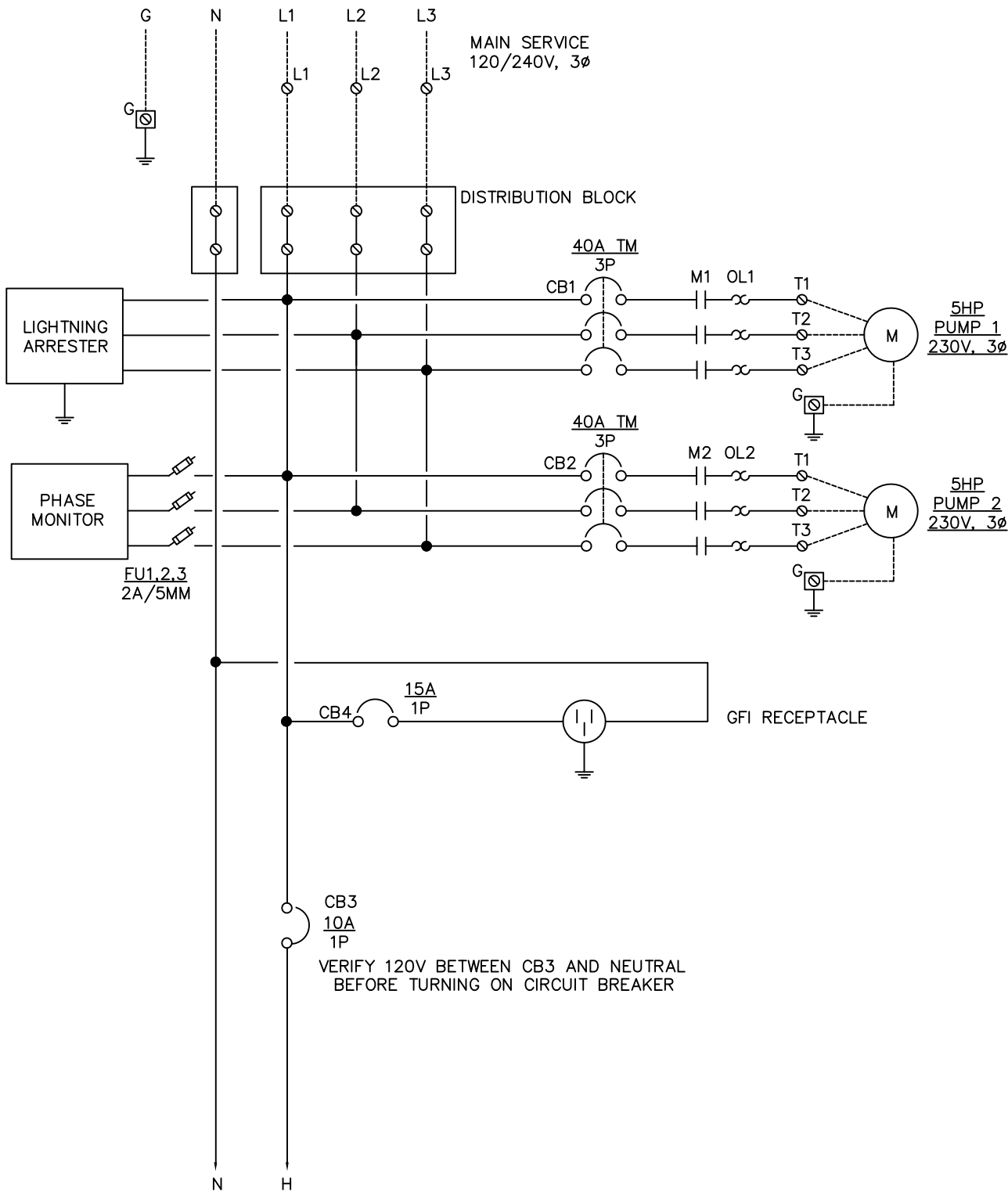
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS		
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION	X	

SOLD TO: Delta Process - Bossier City, LA

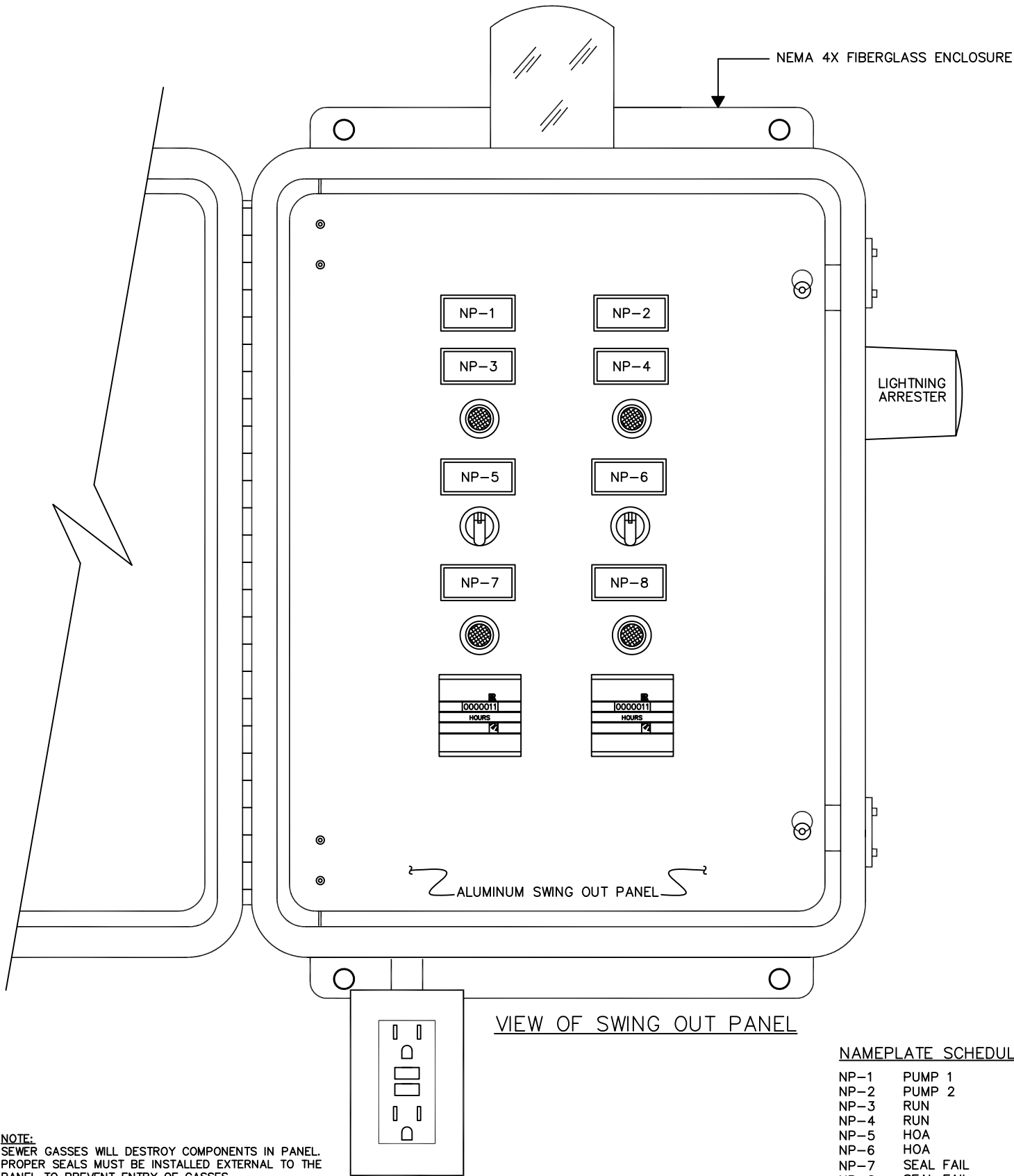
TAG : Lift Station 7

SHIP TO: Delta Process - Ruston, LA

	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;"> COX 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-2230
							SHEET NUMBER 1



	Drawing Title							
	POWER DIAGRAM							
DATE 12/09/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	BY C. RACHAL	ECN	DATE	BY
	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-2230		
						SHEET NUMBER 2		



NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	SEAL FAIL
NP-8	SEAL FAIL

	Drawing Title							
	ENCLOSURE							
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	BY
	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-2230		
						SHEET NUMBER 4		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	2	ABB	A26-30-10-84	MOTOR STARTER
3	2	ABB	TA25DU25	O.L. RELAY (18-25A)
4	2	SQUARE D	QOU340	CB1, CB2
5	1	TIMEMARK	261DT120	ALTERNATING RELAY
6	4	ACI	JR22FR	RED PILOT LIGHT
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	AC/DC	BL5-R-120	ALARM LIGHT
9	1	MARATHON	1323580	DISTRIBUTION BLOCK
10	1	MARATHON	1321580	NEUTRAL BLOCK
11	1	DELTA	LA603	LIGHTNING ARRESTER
12	1	SQUARE D	QOU110	CB3
13	1	SQUARE D	QOU115	CB4
14	2	REDINGTON	711-0190	ELAPSED TIME METER
15	1	SSAC	PLMU-11	PHASE MONITOR
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 12/09/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
		DRAWN BY C. RACHAL		APPROVED BY		DATE	
	Project Title	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px 0;"> <h1 style="margin: 0;">COX</h1> </div> <div style="font-size: small; margin-top: 5px;">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 <div style="text-align: right;">CP-2230</div> SHEET NUMBER <div style="text-align: right;">5</div>
	DUPLEX PUMP CONTROL PANEL						