
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
CAMPTI, LA
LIFT STATIONS #6 & #7

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

QTY 2
CP-1636

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	3	
FLA	13	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Meyers	
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		

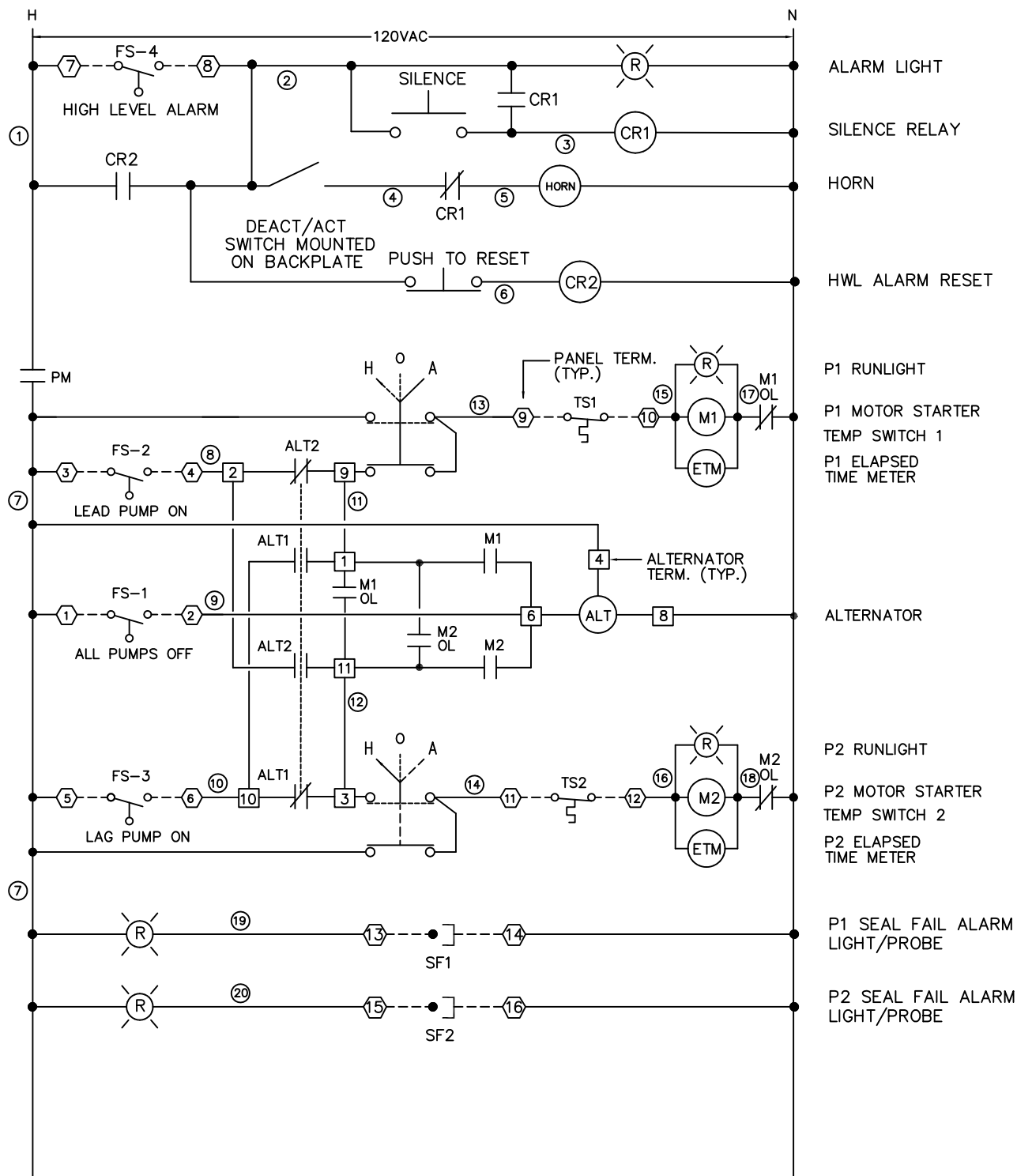
OPTIONS:

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	X	
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	X	
GROUND FAULT RECPT.	X	
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		
HEATER	X	

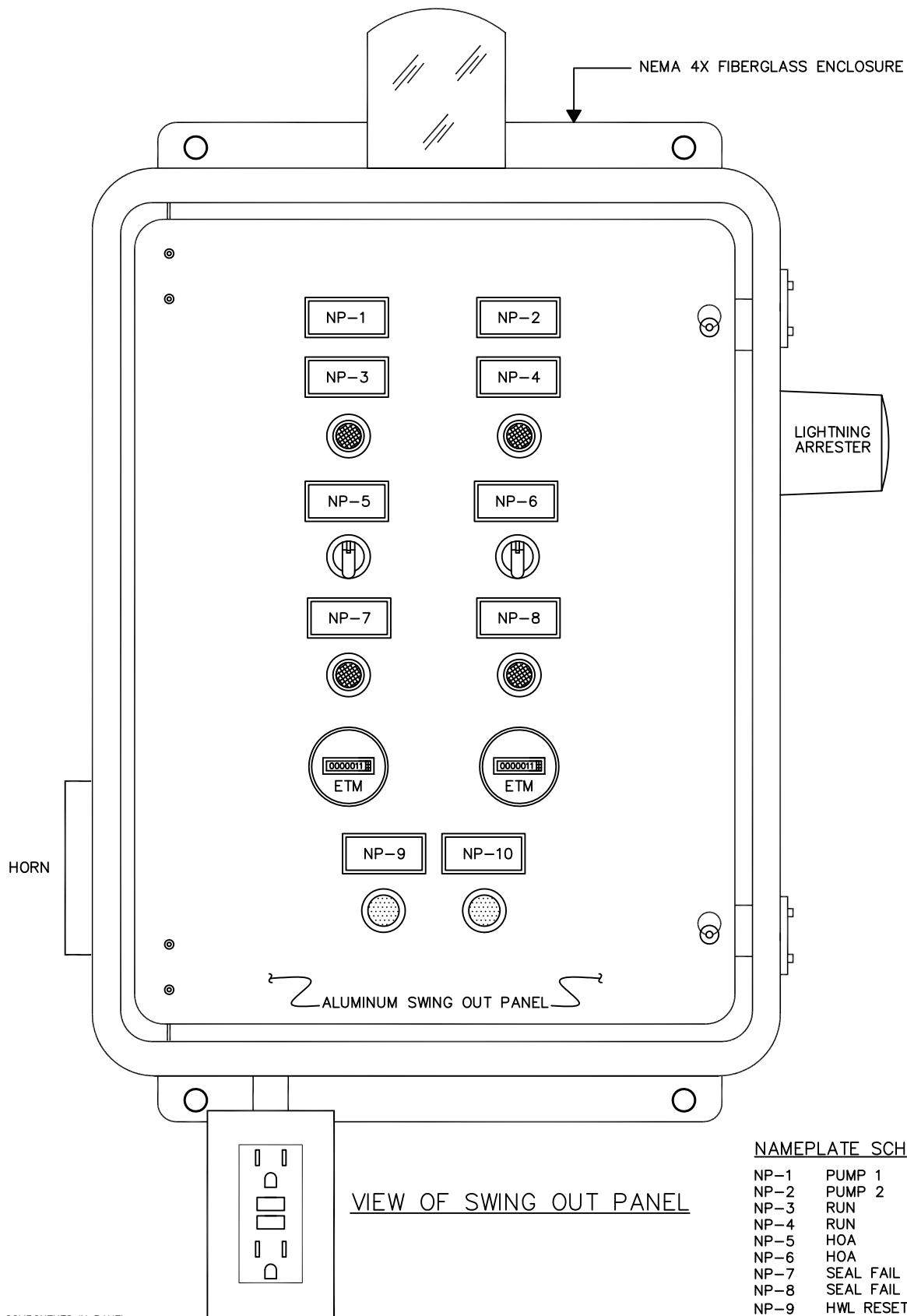
SOLD TO: Delta Process - Bossier City, LA
TAG : CAMPTI, LA
LIFT STATIONS #6, #7

SHIP TO: Delta Process - Bossier City, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 8/19/03		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 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1636 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						



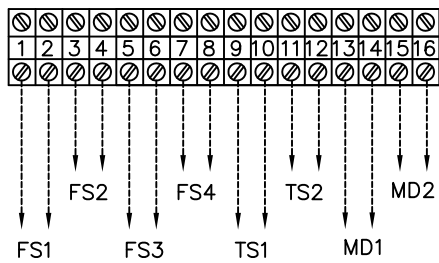
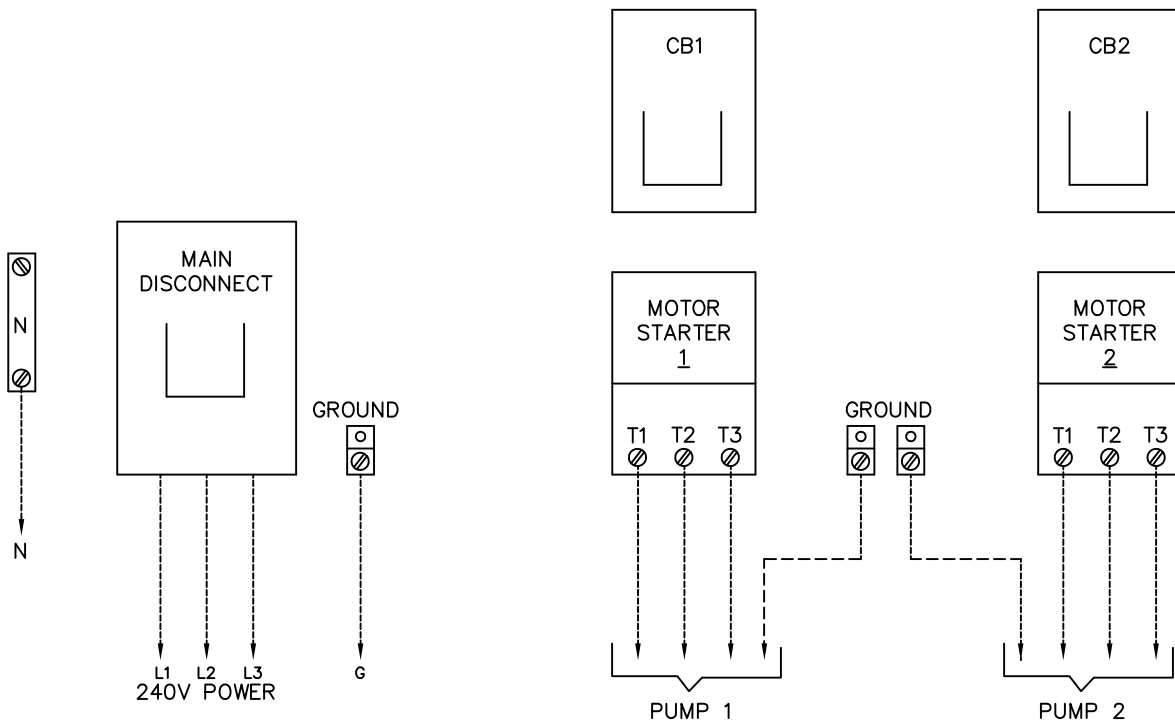
	Drawing Title CONTROL DIAGRAM								
DATE 8/19/03			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.		DRAWN BY C. RACHAL		APPROVED BY DATE		
	Project Title DUPLEX PUMP CONTROL PANEL		<div>COX</div> <div>Research and Technology, Inc.</div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER	
DRAWING NUMBER CP-1636									
SHEET NUMBER									
3									



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
NP-9	HWL RESET
NP-10	HORN SILENCE

Drawing Title	ENCLOSURE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE	8/19/03		S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED
				C.C.	R.C.	BY C. RACHAL		BY DATE
Project Title	DUPLEX PUMP CONTROL PANEL		COX			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
			Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1636
								SHEET NUMBER 4



FS1 – FLOAT SWITCH 1
 ALL PUMPS OFF
 FS2 – FLOAT SWITCH 2
 LEAD PUMP ON
 FS3 – FLOAT SWITCH 3
 LAG PUMP ON
 FS4 – FLOAT SWITCH 4
 HIGH LEVEL ALARM
 TS1 – TEMP. SWITCH 1
 TS2 – TEMP. SWITCH 2
 MD1 – MOISTURE DETECTOR 1
 MD2 – MOISTURE DETECTOR 2

Drawing Title									
EXTERNAL CONNECTIONS									
DATE	8/19/03	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		PURCHASE ORDER NUMBER							
DUPLEX PUMP CONTROL PANEL		<div style="text-align: center;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1636 SHEET NUMBER 5		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	MARATHON	132 3580	DISTRIBUTION BLOCK
3	2	ABB	A26N1-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU14	O.L. RELAY (11-14A)
5	2	SQUARE D	QOU325	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	1	AC/DC	BL5-R-120	ALARM LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	ABB	OT63E3	MAIN DISC. SWITCH
11	1	C-H	CHSA03	LIGHTNING ARRESTER
12	1	SSAC	PLMU-11	PHASE MONITOR
13	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
14	3	SQUARE D	QOU115	CB3,4,5
15	2	OMRON	G2R2SAC120	CR1,2
16	1	EDWARDS	870P-N5	ALARM HORN
17	2	ACI	JR22AN11B	PB
18	1	TEEL	1D008	HEATER
19	1	STOCK		GFI RECEPTACLE
20				
21				
22				
23				
24				

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