
COX

Research and Technology, Inc.

LAKE SHORE ESTATES DUPLEX PUMP CONTROL PANEL

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

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	5	
FLA	23.3	
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	Stainless Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	FLOATS	(FLOATS, Bubbler, Other)
CAPACITORS	Yes	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

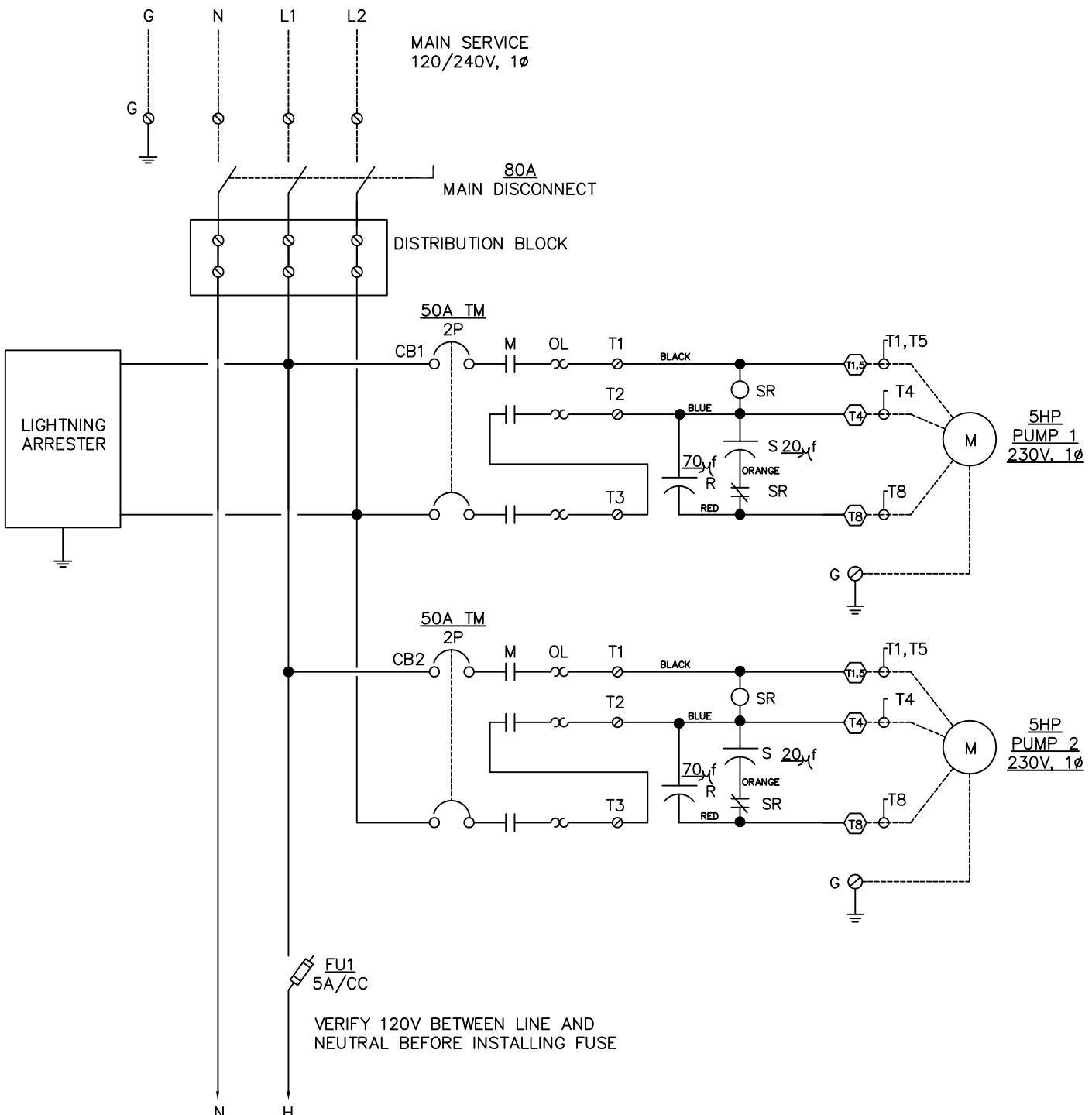
OPTIONS:

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	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER	X	
LIGHTNING ARRESTER	X	
ELAPSED TIME METER		
PHASE MONITOR		
NEMA RATED STARTERS	X SQUARE D	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL	X BOX, SEAL	
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

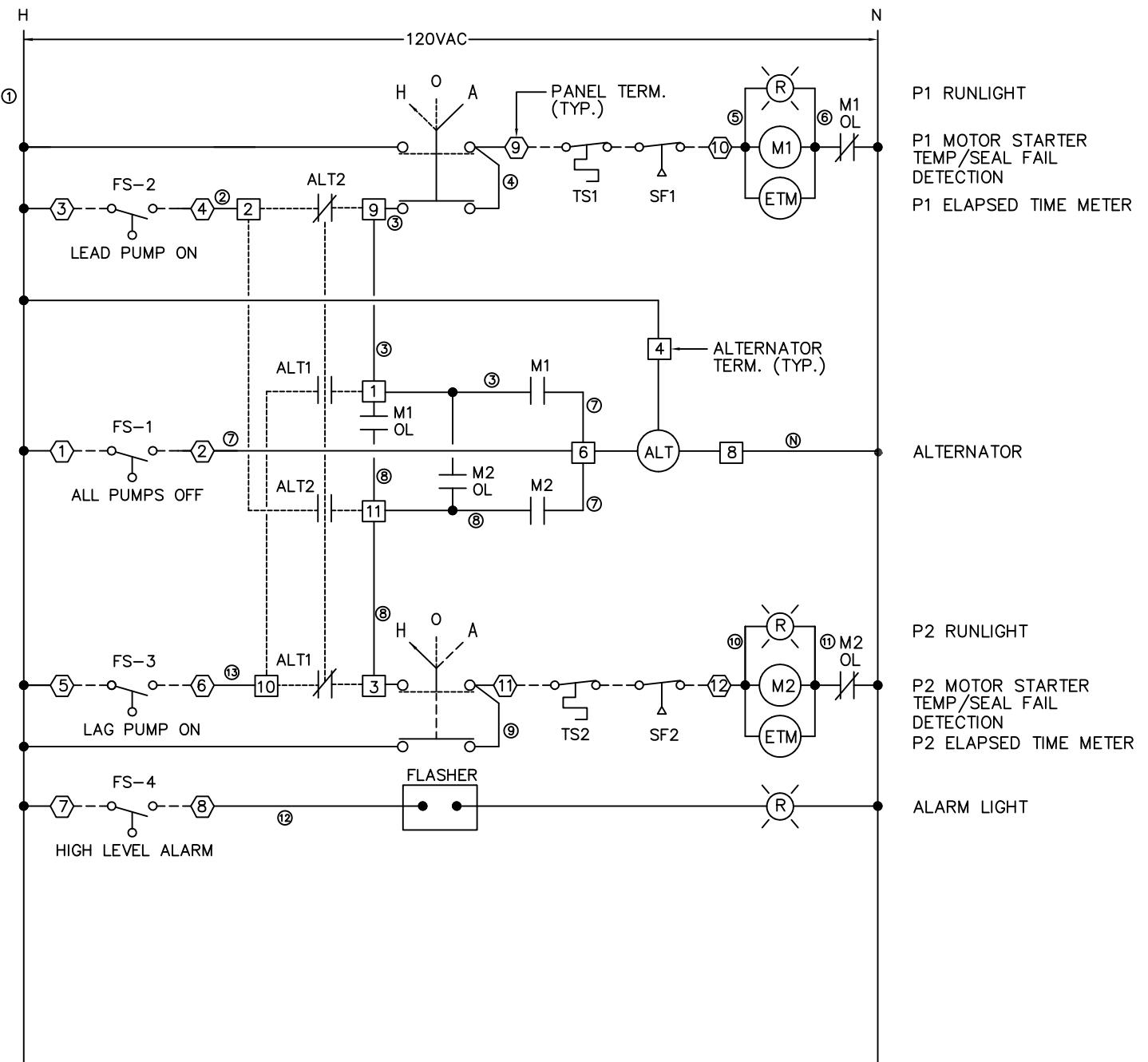
SOLD TO: Delta Process - New Orleans, LA
 TAG : LAKE SHORE ESTATES

SHIP TO: Delta Process - Denham Springs, LA

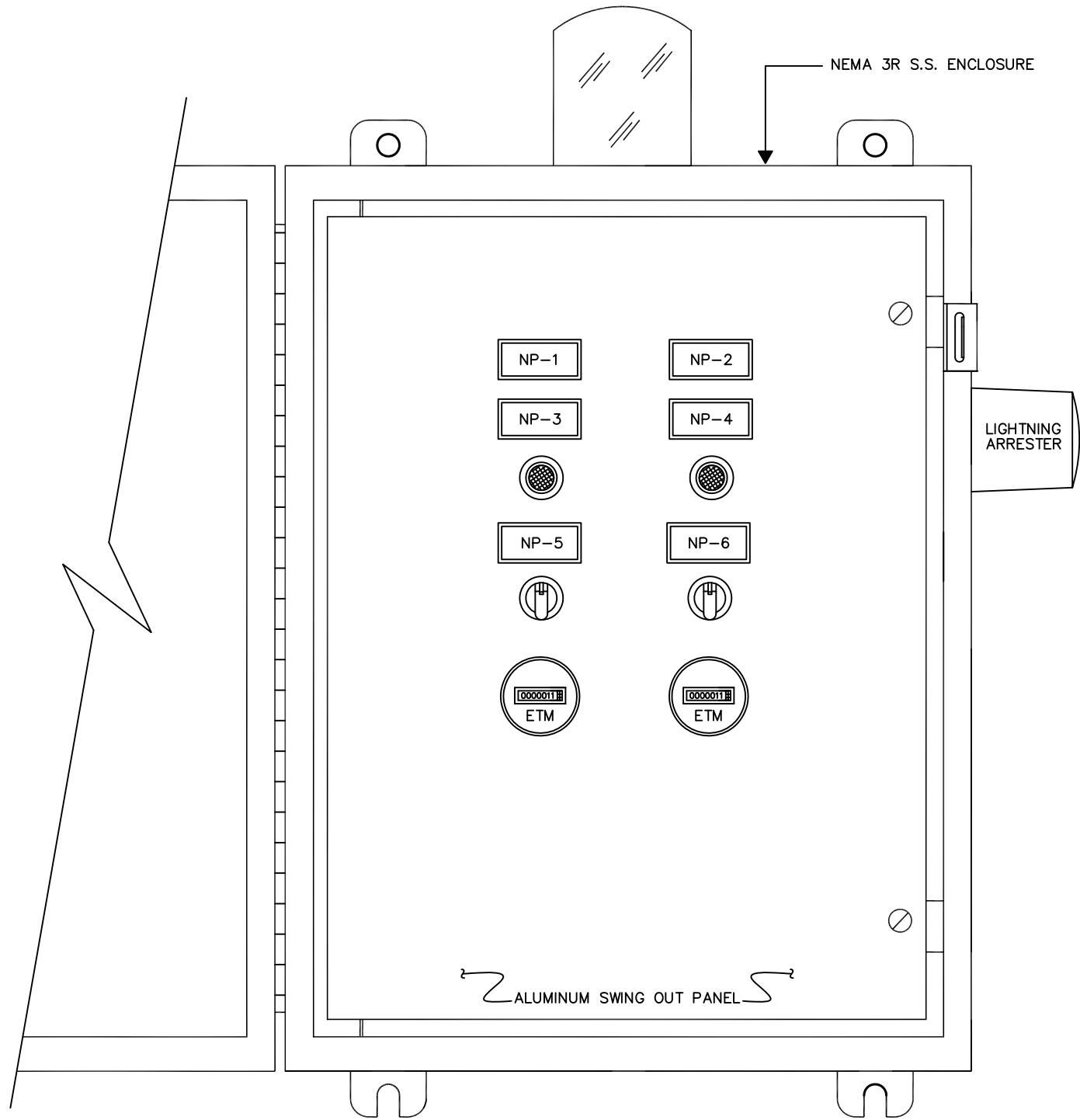
	Drawing Title						
	PANEL DESCRIPTION						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 4/08/04		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
			C.C.	R.C.	BY C. RACHAL	BY	DATE
	Project Title	<hr/> <hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1781	
						SHEET NUMBER 1	



	Drawing Title POWER DIAGRAM DATE 4/08/04							
		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	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
						Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1781	SHEET NUMBER 2



	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE
DATE 4/08/04		Application Engineer R.C.			
	Project Title DUPLEX PUMP CONTROL PANEL		COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1781 SHEET NUMBER 3



VIEW OF SWING OUT PANEL

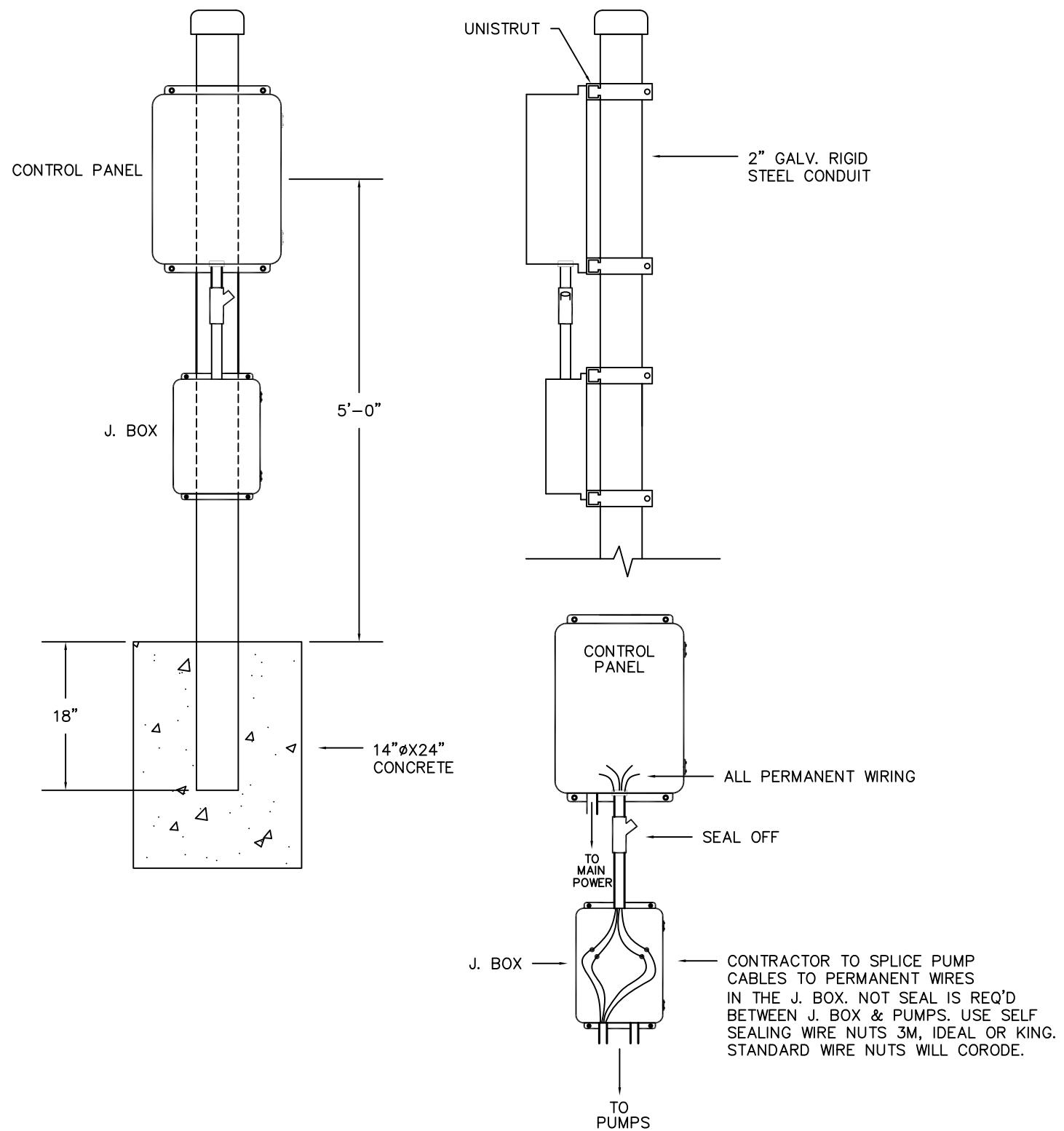
NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

NOTE:

SEWER GASES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASES.

	Drawing Title ENCLOSURE				
		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN APPROVED BY DATE
DATE 4/08/04		Sales Engineer	Application Engineer R.C.		
	Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1781 SHEET NUMBER 4



	Drawing Title					
	MOUNTING DETAILS					
DATE 4/08/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE	BY
Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1781 SHEET NUMBER 5			

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S242010REPL	ENCLOSURE
1a	1	EBE	A2420P	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	SQUARE D	8536SC03V02	MOTOR STARTER
4	2	SQUARE D	B45	O.L. RELAY (22.0–24.4A)
5	2	SQUARE D	QOU250	CB1, CB2
6	2	SQUARE D	9999S04	O.L. CONTACTS
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	2	ACI	JR22FR	RED PILOT LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	AC/DC	BL5-R-120-TF	ALARM LIGHT
11	1	DELTA	LA302	LIGHTNING ARRESTER
12	1	SSAC	FS126	FLASHER
13	1	STOCK		BOX & SEAL
14	1	ENM	T50B212P	ELAPSED TIME METER
15				
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	Drawing Title						
	BILL OF MATERIALS						
DATE 4/08/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY	
	Sales Engineer	Application Engineer R.C.					APPROVED BY DATE
	Project Title DUPLEX PUMP CONTROL PANEL		COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1781 SHEET NUMBER 6		
				Ph. (225)756-3271 Fax (225)756-1030			