
COX

Research and Technology, Inc.

SABINE CREEK 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

CP-2062

VOLTAGE	277/480 V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	1	
FLA	2.9	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	ABS	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless 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		

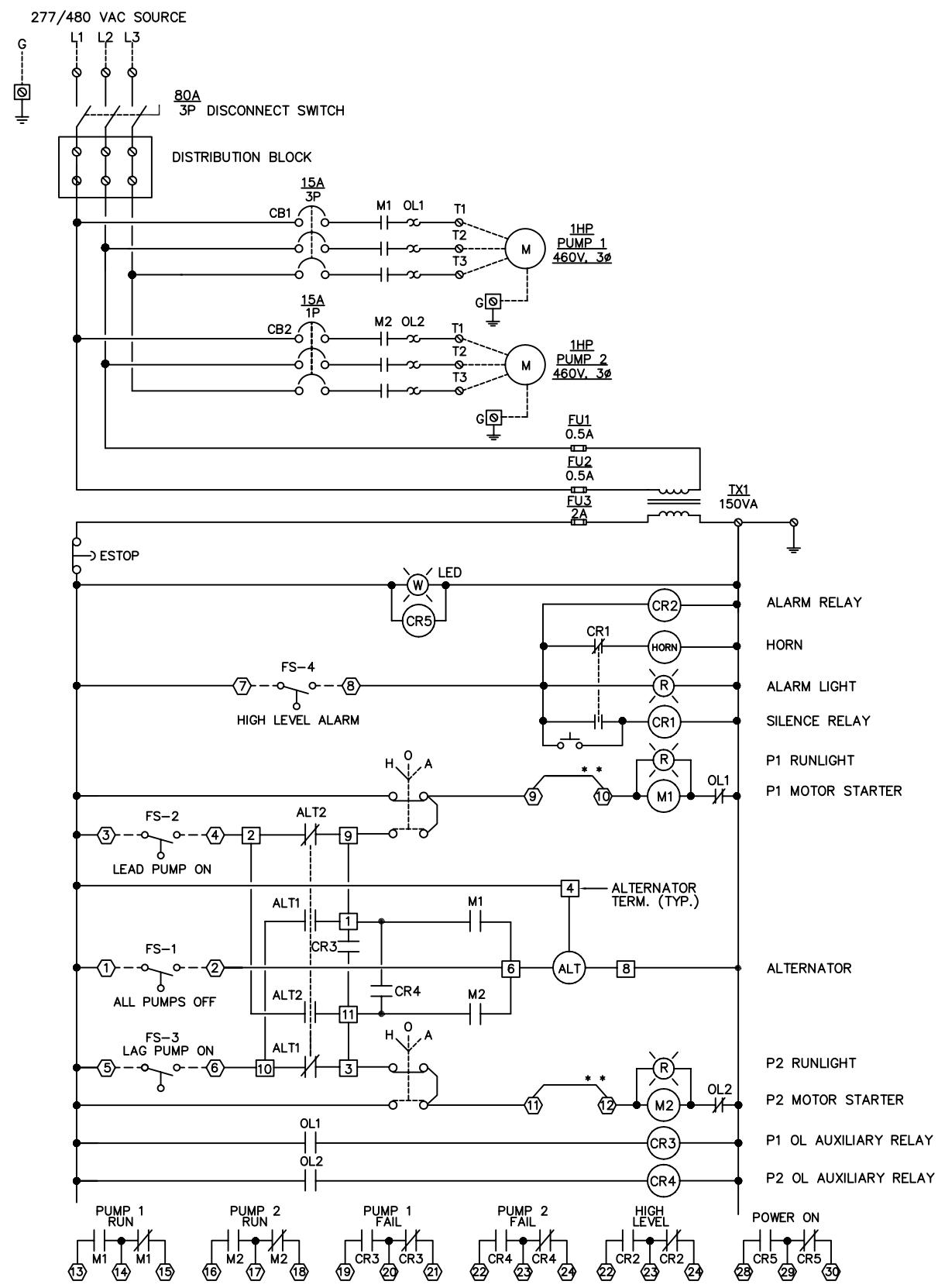
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
PHASE MONITOR		
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: CF ENGINEERED EQUIPMENT
TAG : SABINE CREEK

SHIP TO: CF ENGINEERED EQUIPMENT

	Drawing Title PANEL DESCRIPTION DATE 8/24/05						
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN APPROVED BY	DATE DATE
	Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
				Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2062	
						SHEET NUMBER 1	



Drawing Title

POWER DIAGRAM

DATE
8/24/05

REFERENCE DRAWING NO. REVISION-LOCATION ECN DATE BY

S/N Sales Engineer Application Engineer DRAWN APPROVED
C.C. R.C. BY C. RACHAL BY DATE

Project Title

DUPLEX PUMP CONTROL PANEL

COX

Research and Technology, Inc.

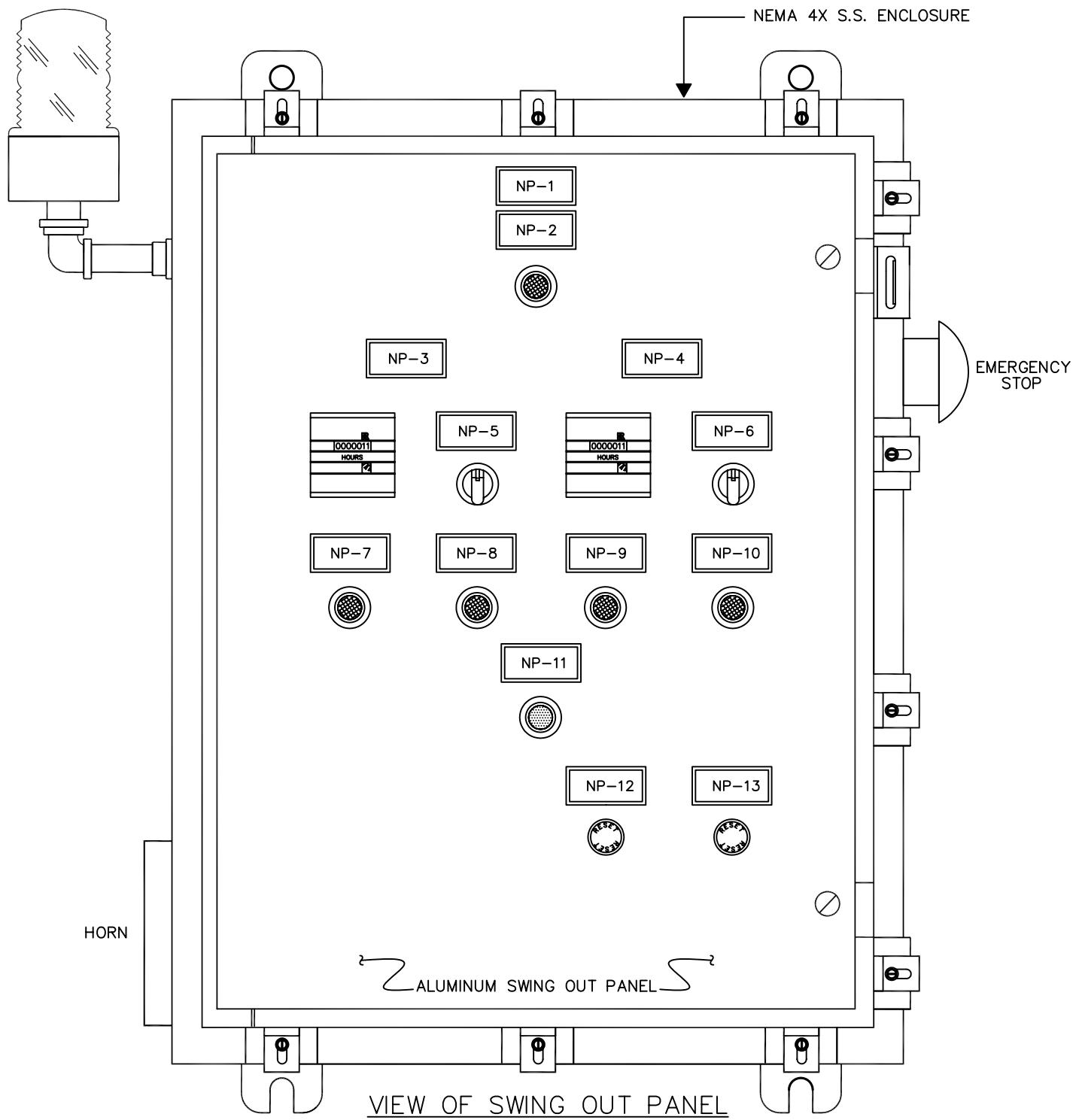
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NAMEPLATE SCHEDULE

NP-1	RAW WATER PUMP STATION SUMP PUMP CONTROL PANEL	NP-7	MOTOR ON
NP-2	POWER ON	NP-8	MOTOR OFF
NP-3	SUMP PUMP #1	NP-9	MOTOR ON
NP-4	SUMP PUMP #2	NP-10	MOTOR OFF
NP-5	HOA	NP-11	SILENCE
NP-6	HOA	NP-12	RESET
		NP-13	RESET

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. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL APPROVED BY DATE
Project Title DUPLEX PUMP CONTROL PANEL	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2062 SHEET NUMBER 3	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S242010N4X	ENCLOSURE
1a	1	EBE	A2420P	BACKPLATE
1b	1	EBE	A2420SP	SWING PANEL
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	2	ABB	S1NO15TL	CB1, CB2
4	1	TIMEMARK	261DT120	ALTERNATOR
5	2	ABB	A26N1-30-10-84	MOTOR STARTER
6	2	ABB	TA25DU3.1	O.L. 1,2 (2.2-3.1A)
7	2	ABB	KPR3-104BMR	O.L. RESET
8	1	ABB	OT63E3	DISCONNECT SWITCH
9	2	ACI	JR22FR	RED PILOT LIGHTS
10	2	ACI	JR22FG	GREEN PILOT LIGHTS
11	1	ACI	JR22FW	WHITE PILOT LIGHT
12	2	ACI	JR22P3M20B	HOA
13	1	ACI	JR22AN11B	PUSH BUTTON
14	5	IDECA	RY2AC120	RELAY 1-5
15	1	A-B	800H-FRXTQ10RA1	EMERGENCY STOP PUSH BUTTON
16	1	A-B	800T-N209RE1	E-STOP CAP
17	1	TOMAR	490S-120V-RED	STROBE LIGHT
18	1	EDWARDS	870P-N5	HORN
19	1	ABB	T4150PSF-1	TRANSFORMER
20				
21				
22				
23				
24				
25				

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	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 8/24/05	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			
	C.C.		R.C.	BY C. RACHAL	BY	DATE		
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