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# COX

Research and Technology, Inc.

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## OLDE OAKS GOLF COURSE

DUPLEX PUMP  
CONTROL PANEL  
LIFT STATION #2  
LEGACY DRIVE

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

VOLTAGE	<u>120/240V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>1/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>7.5</u>	
FLA	<u>39</u>	
TYPE OF PUMP	<u>Submersible</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>BARNES</u>	
CATALOG NUMBER	<u>4SE7524L</u>	

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	YES	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

## OPTIONS:

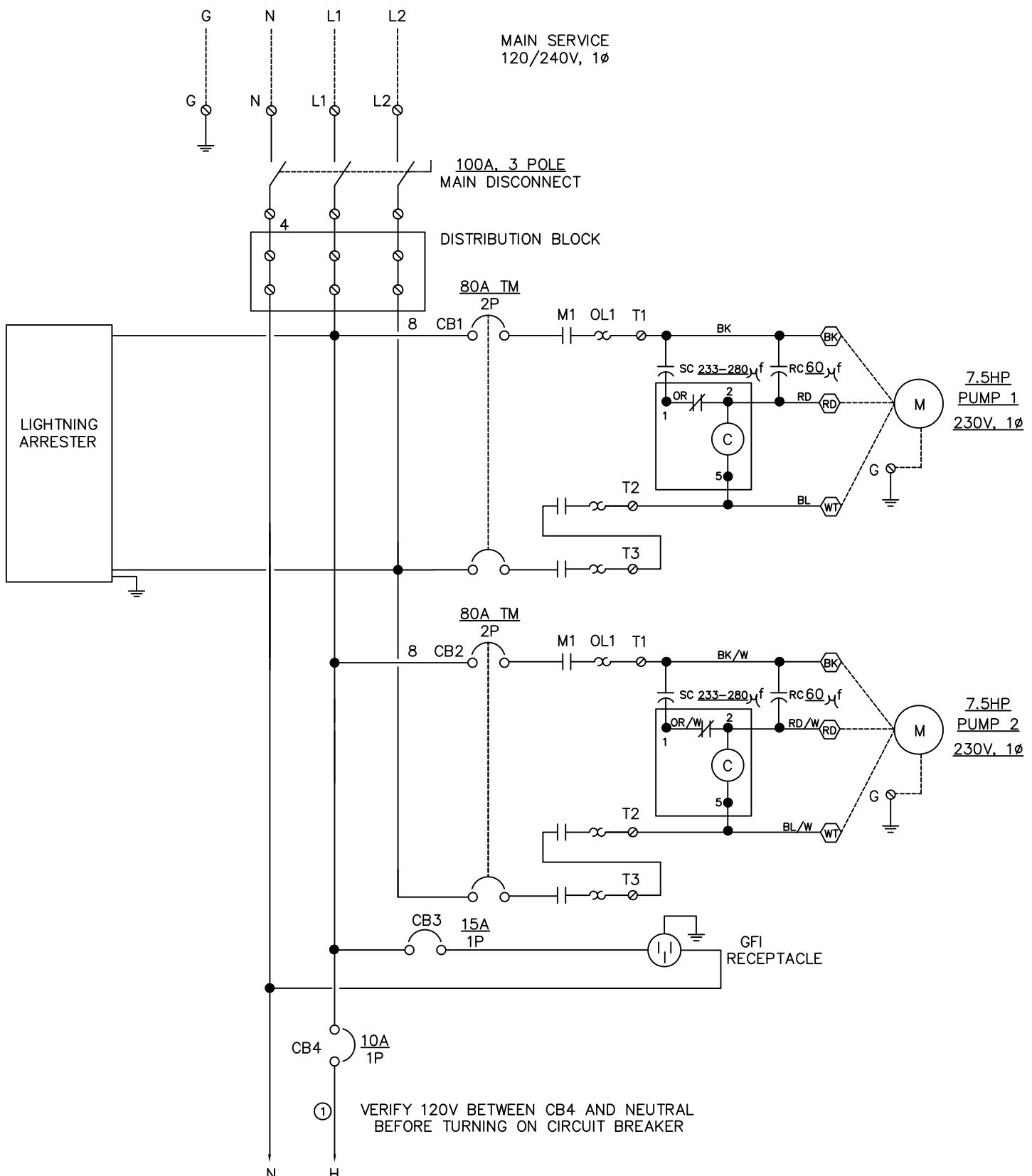
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR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

SOLD TO: Delta Process - Bossier City, LA  
TAG : OLDE OAKS GOLF COURSE

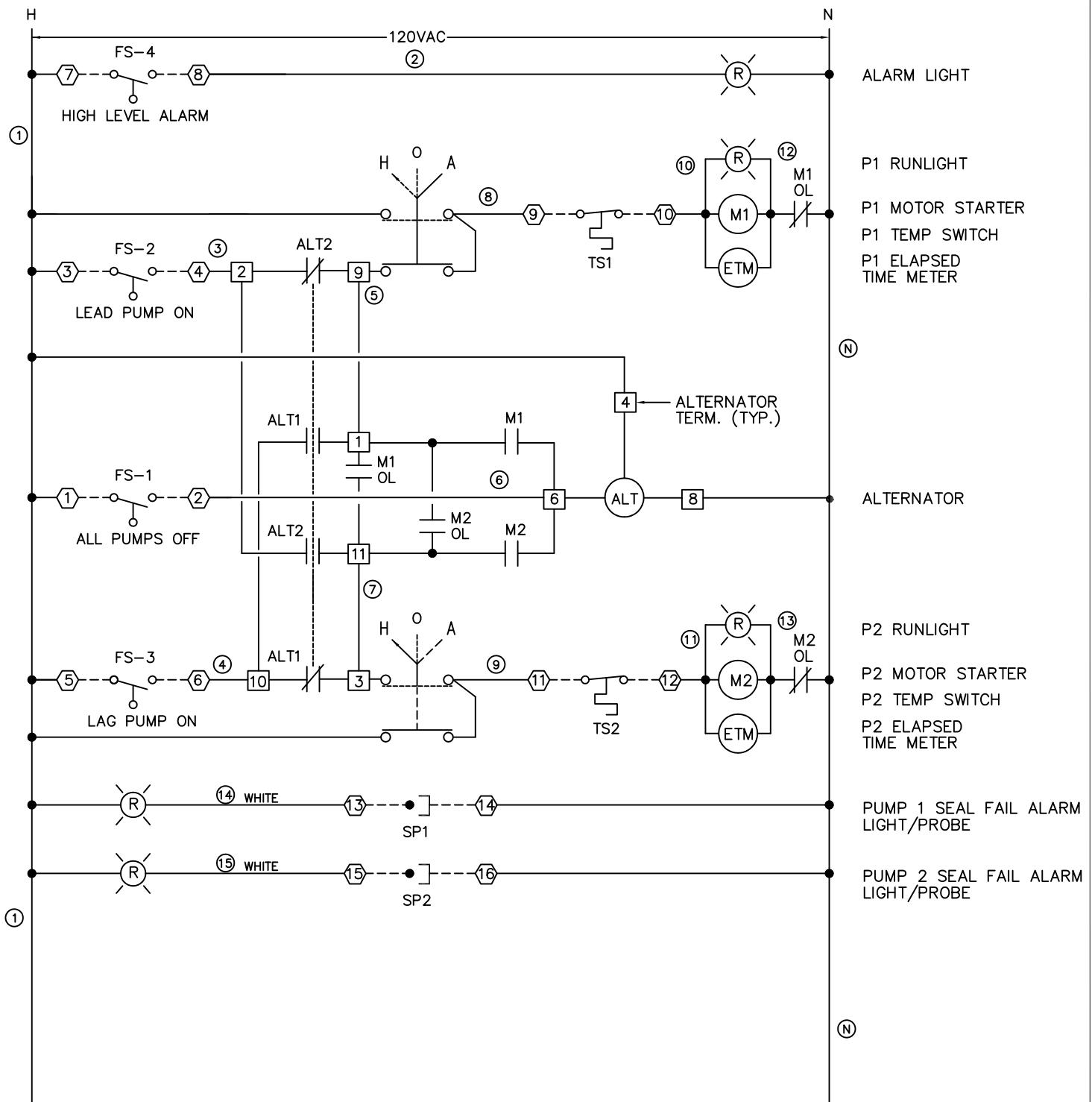
SHIP TO: Delta Process - Ruston, LA

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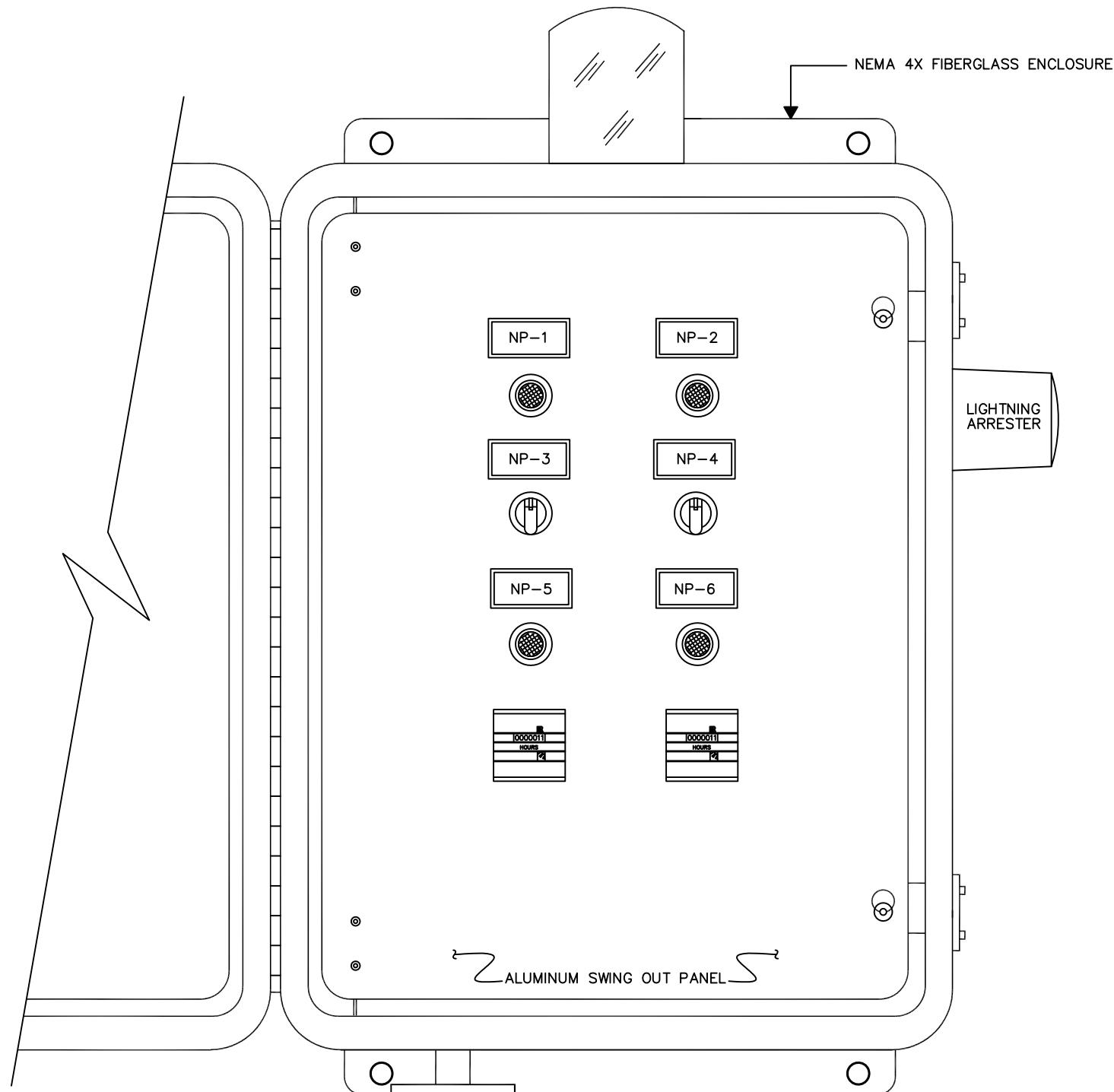
	Drawing Title  <b>PANEL DESCRIPTION</b>  DATE 07/01/08		R1	Rebuild without seal fail realys		07/01/08	HNB
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY S.HODGES	ECN BY	DATE APPROVED BY DATE
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>		<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70879	PURCHASE ORDER NUMBER		
				Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1838r1		
					SHEET NUMBER 1		



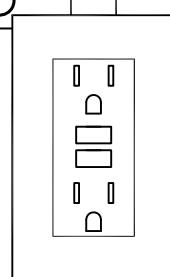
	Drawing Title  POWER DIAGRAM	R1	Rebuild without seal fail realsys		07/01/08	HNB
DATE 07/01/08	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY S.HODGES	ECN	DATE	BY
Project Title  DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70879 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1838r1  SHEET NUMBER 2			



	Drawing Title  CONTROL DIAGRAM	R1	Rebuild without seal fail realsys		07/01/08	HNB
DATE 07/01/08	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY S.HODGES	ECN	DATE	BY
	Project Title  DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70879 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1838r1 SHEET NUMBER 3		



#### VIEW OF SWING OUT PANEL



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

#### NAMEPLATE SCHEDULE

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

	Drawing Title		R1	Rebuild without seal fail realsys		07/01/08	HNB
	ENCLOSURE						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 07/01/08	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
	C.C.		R.C.	BY S.HODGES	BY	DATE	
	Project Title	<hr/> <hr/> <hr/> <b>COX</b> <hr/> <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/> <hr/>			PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER		
					CP-1838r1		
					SHEET NUMBER		
					4		

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	HOFFMAN	UU605025	ENCLOSURE
1a	1	HOFFMAN	A24P20	BACKPLATE
1b	1	HOFFMAN	UU6050SP	DEAD FRONT
1c	1	HOFFMAN	UUHPL	PAD LOCK KIT
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	SQUARE D	8536SD06V02	MOTOR STARTER
4	2	SQUARE D	B88.0	HEATER PACK (QTY: 3)
5	2	SQUARE D	QOU280	CB1, CB2
6	1	SQUARE D	QOU115	CB3
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	4	ACI	JR22FR	RED PILOT LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	CONERY	R40-XLS	ALARM LIGHT
11	1	MARATHON	1323580	DISTRIBUTION BLOCK
12	2	REDINGTON	711-0190	ELAPSED TIME METER
13	1	DELTA	LA302R	LIGHTNING ARRESTER
14	1	STOCK		GFI
15	2	GE	6X555	START RELAY
16	2	GE	3GA14	RUN CAPACITOR 60 $\mu$ f
17	2	MALLORY	4X661	START CAPACITOR 233-280 $\mu$ f
18	2	SQUARE D	9999S04	OVERLOAD AUXILIARY CONTACTS
19				
20				
21				
22				
23				

	Drawing Title  <b>BILL OF MATERIALS</b>			R1	Rebuild without seal fail realys			07/01/08	HNB
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 07/01/08		S/N	Sales Engineer	Application Engineer	DRAWN			APPROVED	
			C.C.	R.C.	BY	S.HODGES	BY		DATE
	Project Title  DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.				P.O. Box 77808 Baton Rouge, LA 70879	PURCHASE ORDER NUMBER		
						Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1838rl		
							SHEET NUMBER 5		