
COX

Research and Technology, Inc.

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

CP-1838r1

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

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		

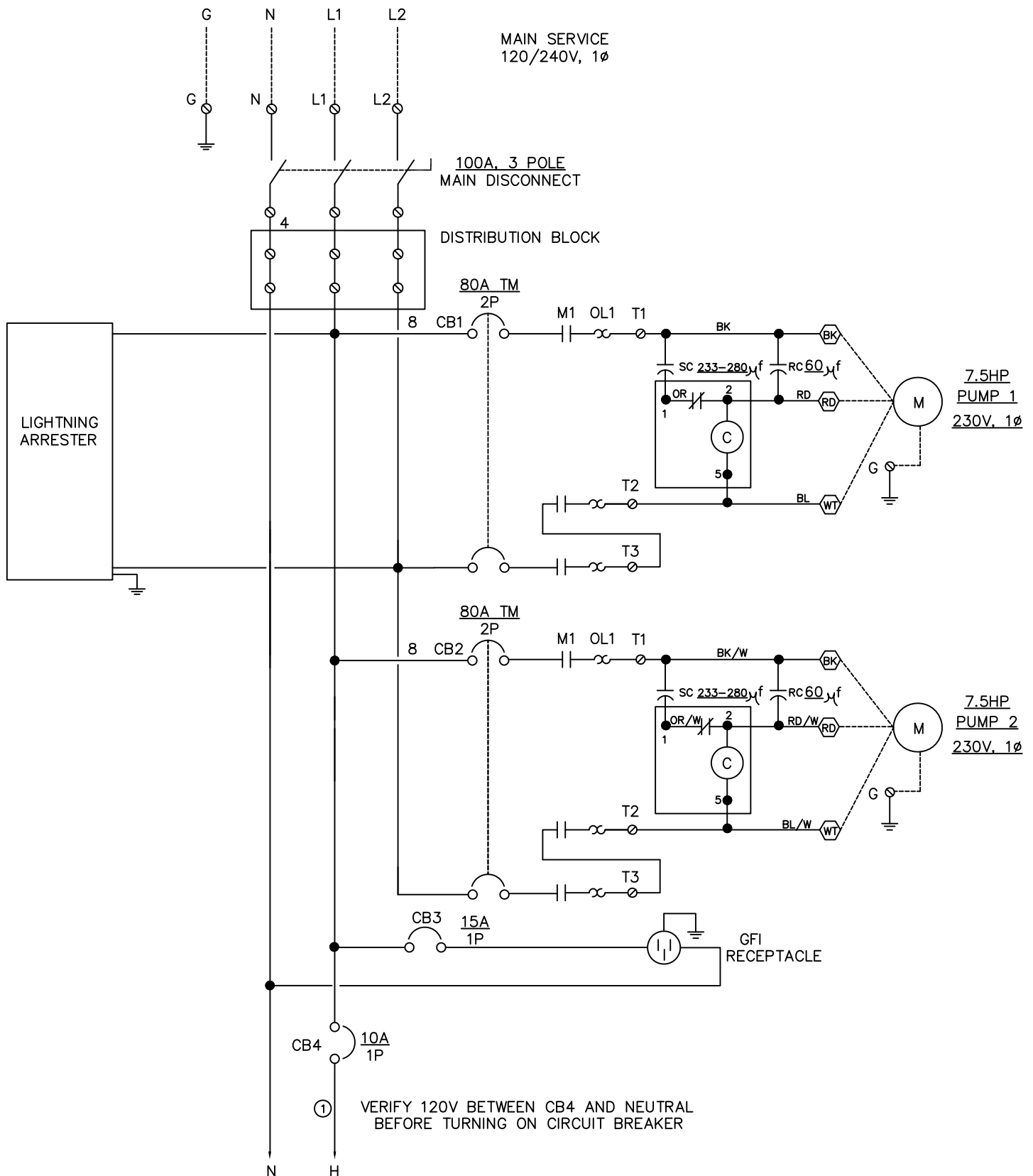
OPTIONS:

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		

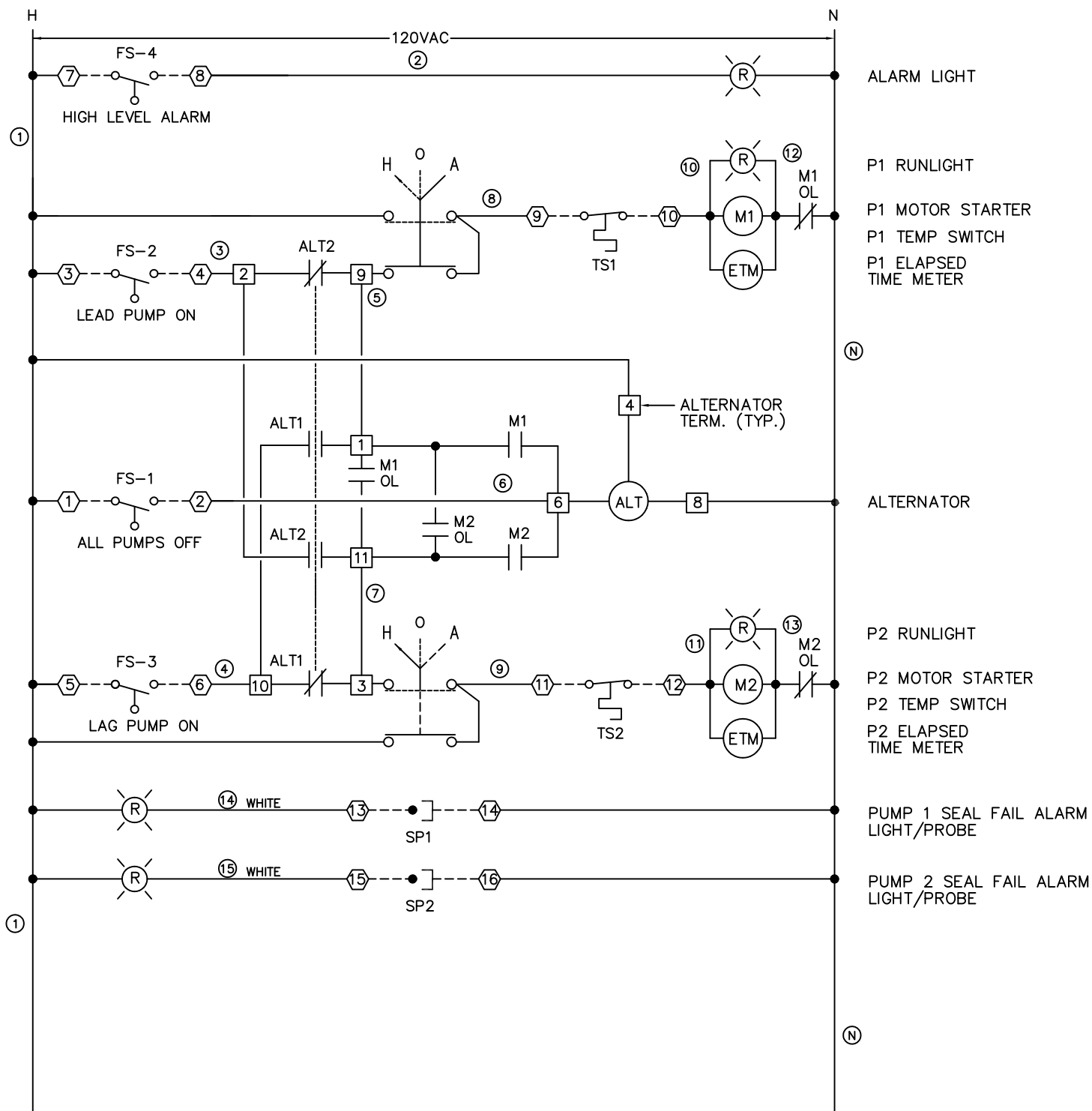
SOLD TO: Delta Process - Bossier City, LA
TAG : OLDE OAKS GOLF COURSE

SHIP TO: Delta Process - Ruston, LA

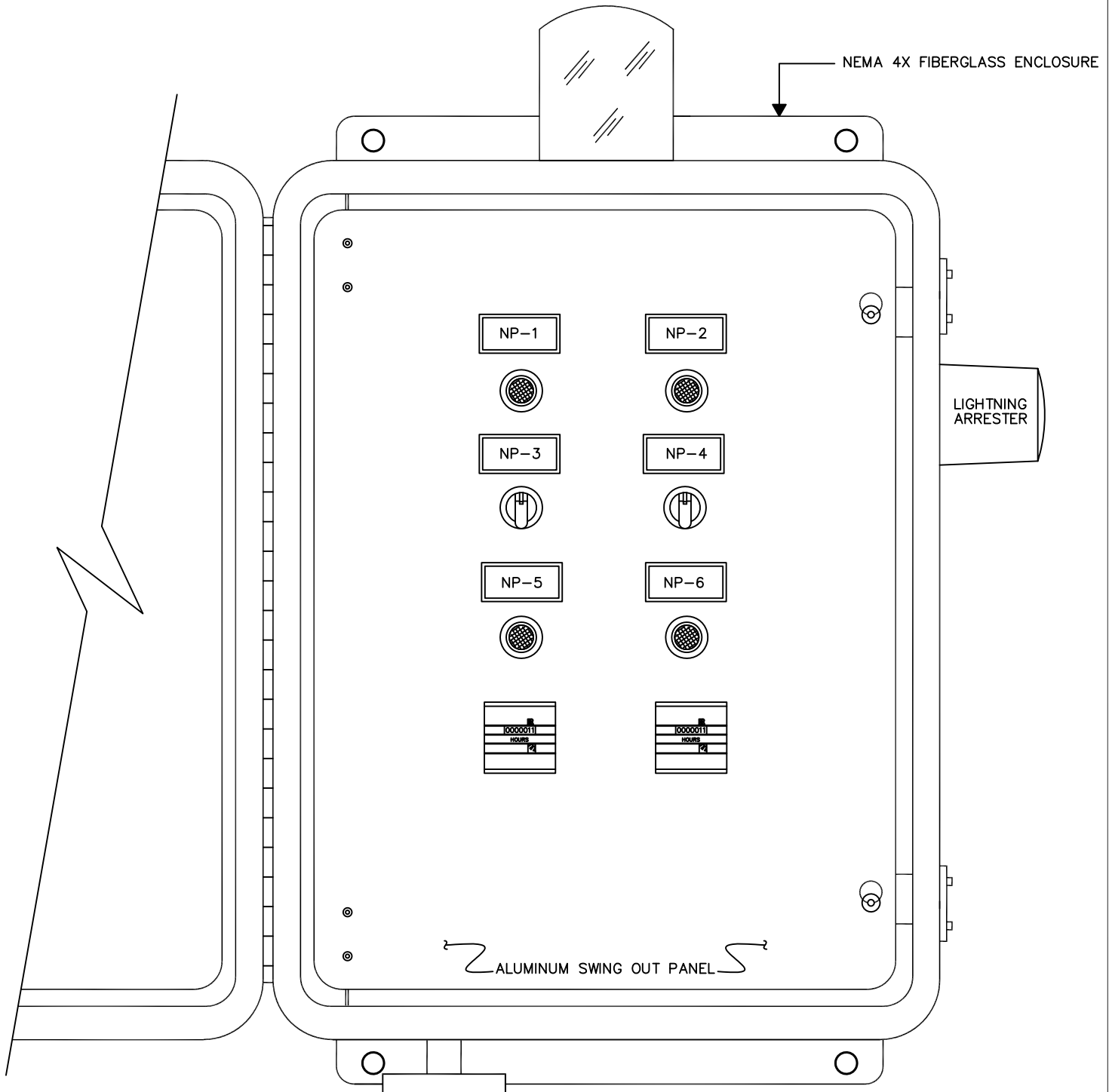
	Drawing Title		R1	Rebuild without seal fail realys		07/01/08	HNB
	PANEL DESCRIPTION						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
07/01/08		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY S.HODGES	APPROVED BY	DATE
	Project Title	<div>COX</div> <div>Research and Technology,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



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



DATE 07/01/08	Drawing Title		R1	Rebuild without seal fail realys	07/01/08	HNB
	CONTROL DIAGRAM					
DATE 07/01/08	Project Title		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN
	DUPLEX PUMP CONTROL PANEL		S/N	Sales Engineer C.C.	Application Engineer R.C.	DATE
DATE 07/01/08			DRAWN		APPROVED	
			BY S.HODGES		BY	DATE
DATE 07/01/08			PURCHASE ORDER NUMBER			
			DRAWING NUMBER		CP-1838r1	
DATE 07/01/08			SHEET NUMBER			
					3	



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

VIEW OF SWING OUT PANEL

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

DATE 07/01/08	Drawing Title		R1	Rebuild without seal fail realys		07/01/08	HNB
	ENCLOSURE						
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE
			S/N	Sales Engineer C.C.	Application Engineer R.C.	BY S.HODGES	APPROVED
Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70879		PURCHASE ORDER NUMBER	
DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)756-1030		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 μ f
17	2	MALLORY	4X661	START CAPACITOR 233-280 μ f
18	2	SQUARE D	9999S04	OVERLOAD AUXILIARY CONTACTS
19				
20				
21				
22				
23				

	Drawing Title		R1	Rebuild without seal fail realys		07/01/08	HNB	
	BILL OF MATERIALS							
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
DATE 07/01/08		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY S.HODGES	APPROVED BY	DATE	
		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> COX Research and Technology, Inc. </div>			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 5	
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> COX Research and Technology, Inc. </div>			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 5	
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