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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
AMARIS ISLE PLANTATION  
GRAND ISLE, LOUISIANA

FIELD REVISIONS  
DATE: 5/29/14

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

CP-2048-CK-BARNES

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>2.7, 5</u>	
FLA	<u>11.9, 25.4</u>	
TYPE OF PUMP	<u>Submersible</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>Gorman Rupp, Barnes</u>	
CATALOG NUMBER	<u>JSV3A60-E2.7,3SHVR5074</u>	

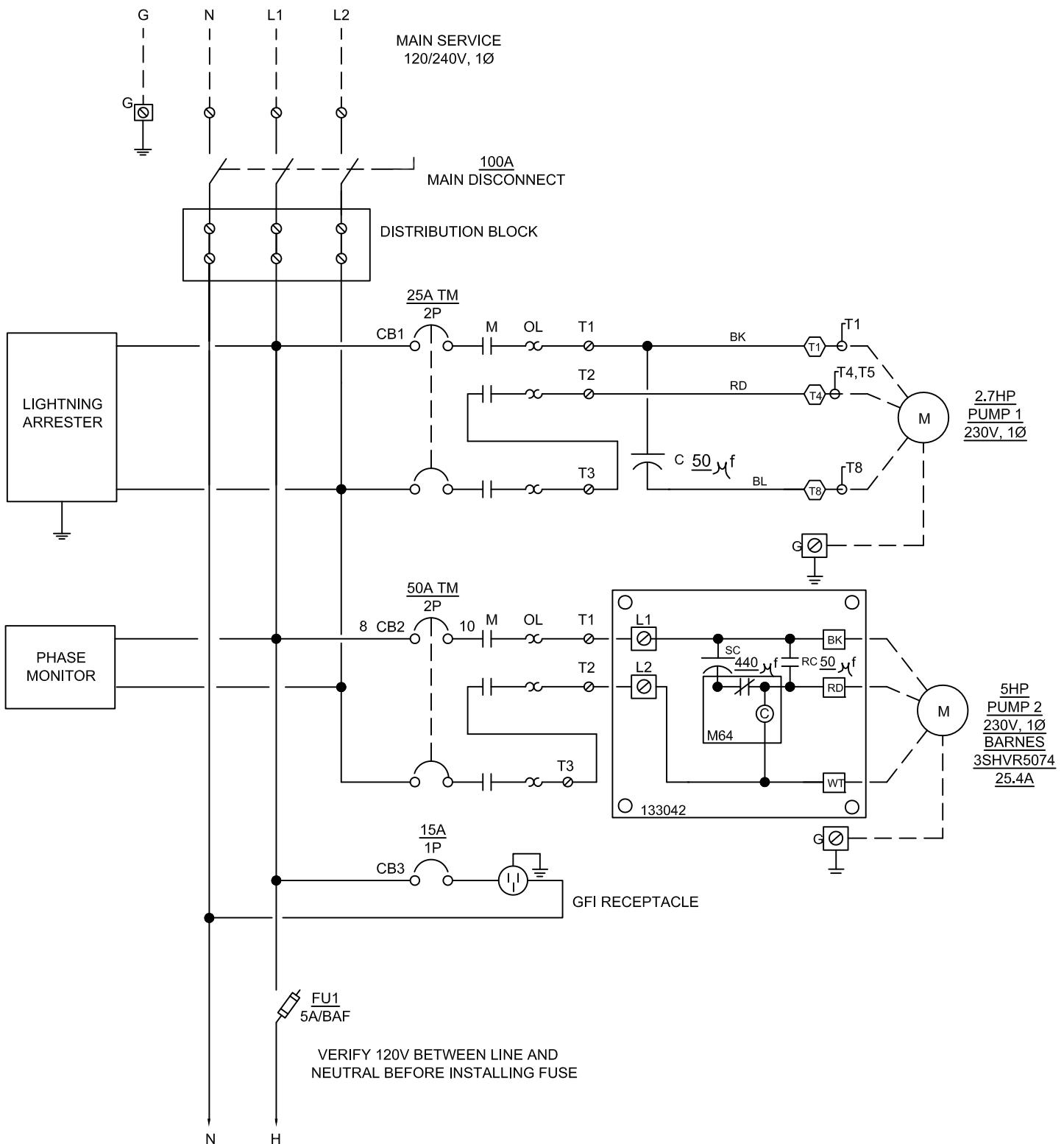
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 3R	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	Yes	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

## OPTIONS:

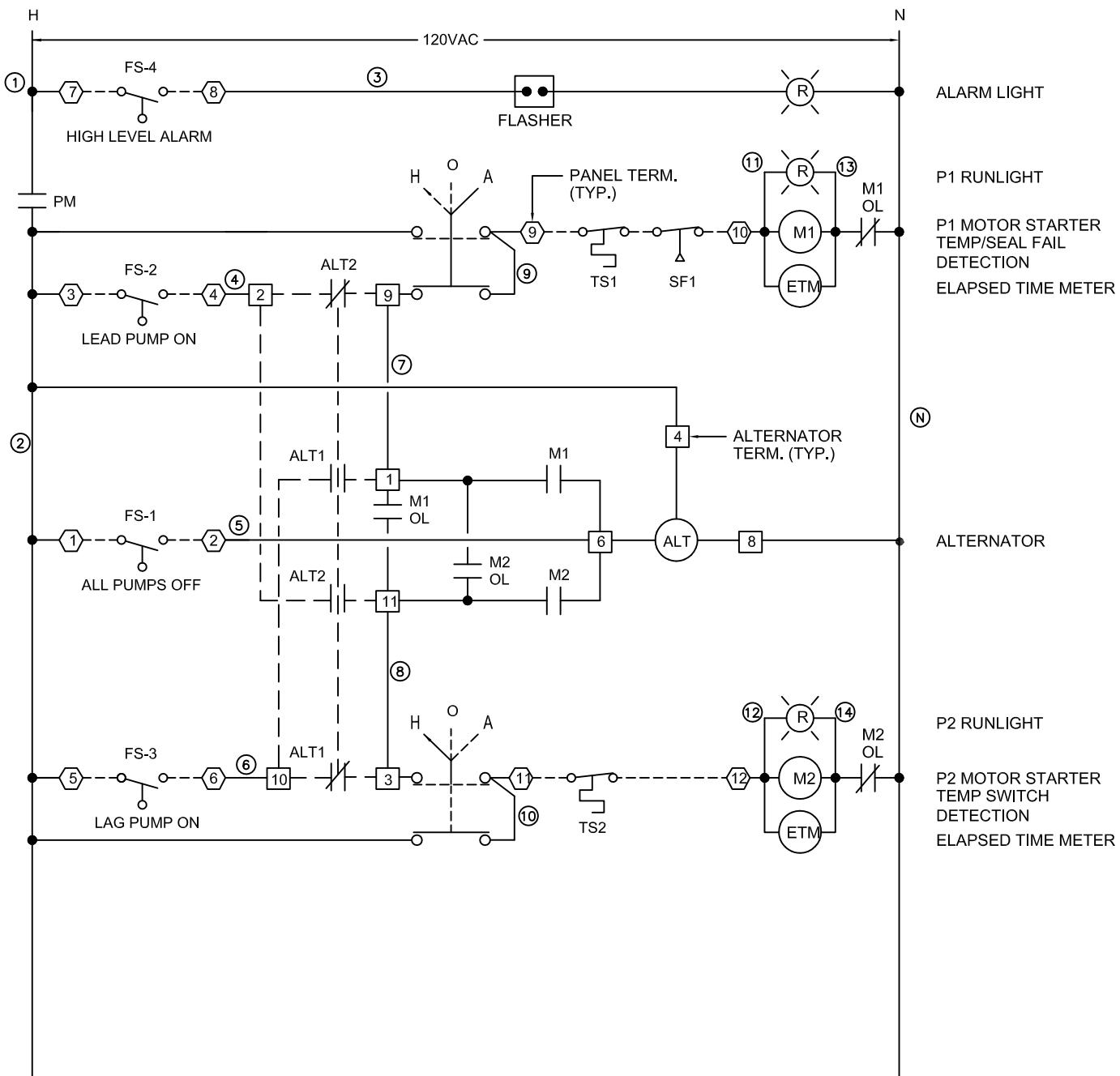
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	X	(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER	X	
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	Motor Saver 1Ø
NEMA RATED STARTERS		
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 - New Orleans, LA  
TAG : AMARIS ISLE PLANTATION  
GRAND ISLE, LA

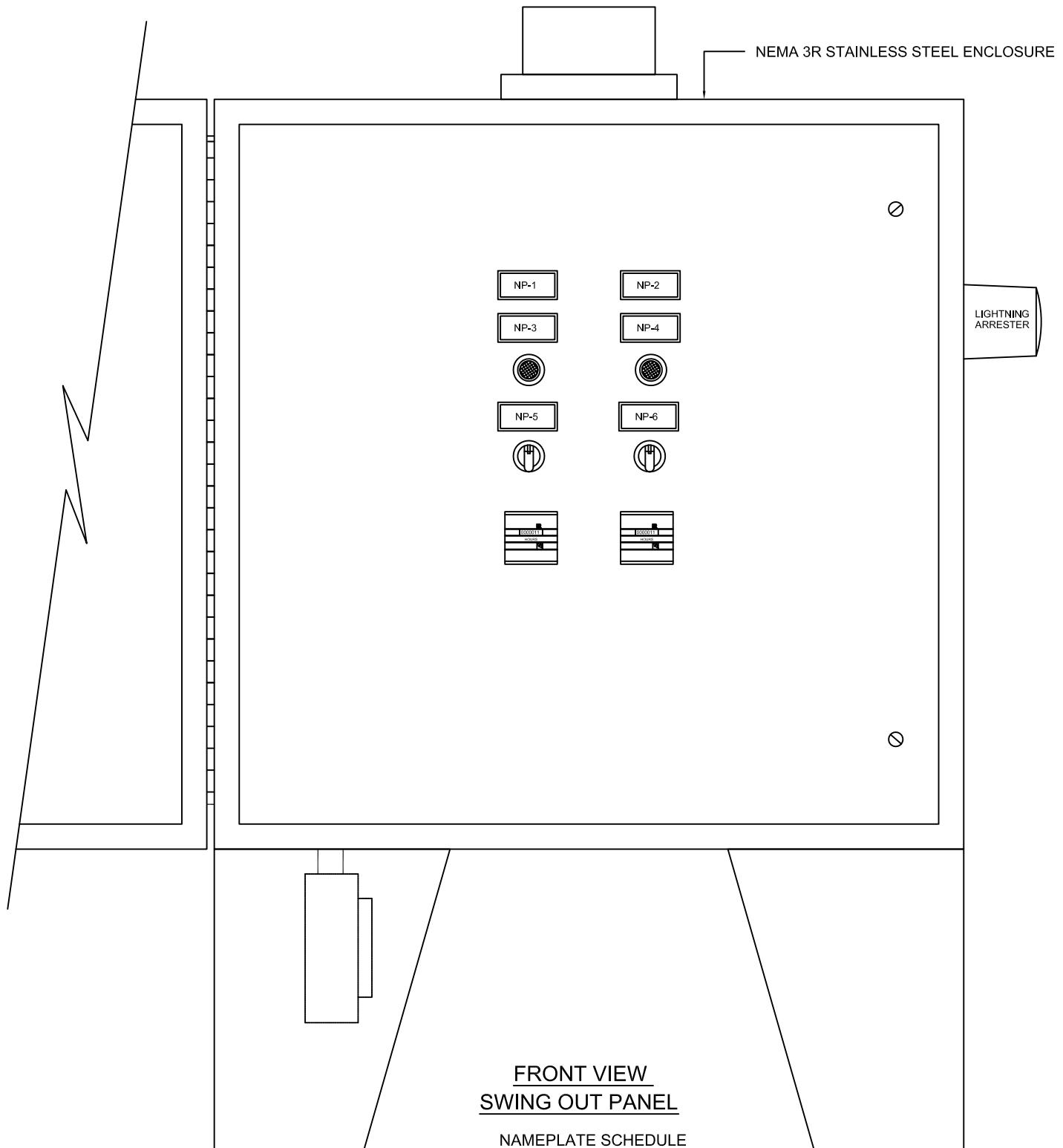
	Drawing Title  <b>PANEL DESCRIPTION</b>  DATE 5/30/14						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
				T.L.	BY A.DANIELS	BY	DATE
	Project Title  <b>DUPLEX PUMP CONTROL PANEL</b>	<hr/> <hr/> <b>COX</b> Research and Technology, Inc. <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2048-CK-BARNES			
				SHEET NUMBER 1			



	Drawing Title							
	POWER DIAGRAM							
DATE 5/30/14	REFERENCE DRAWING S/N	NO. Sales Engineer	REVISION-LOCATION Application Engineer T.L.	ECN	DATE	BY		
			DRAWN A.DANIELS		APPROVED BY	DATE		
Project Title	COX		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER			
DUPLEX PUMP CONTROL PANEL	Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2048-CK-BARNES			
					SHEET NUMBER 2			



	Drawing Title <b>CONTROL DIAGRAM</b>				
		REFERENCE DRAWING S/N	NO. Sales Engineer	REVISION-LOCATION DRAWN T.L.	ECN APPROVED BY DATE
DATE 5/30/14			Application Engineer	A.DANIELS	
	Project Title <b>DUPLEX PUMP CONTROL PANEL</b>		<b>COX</b> 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-2048-CK-BARNES SHEET NUMBER 3



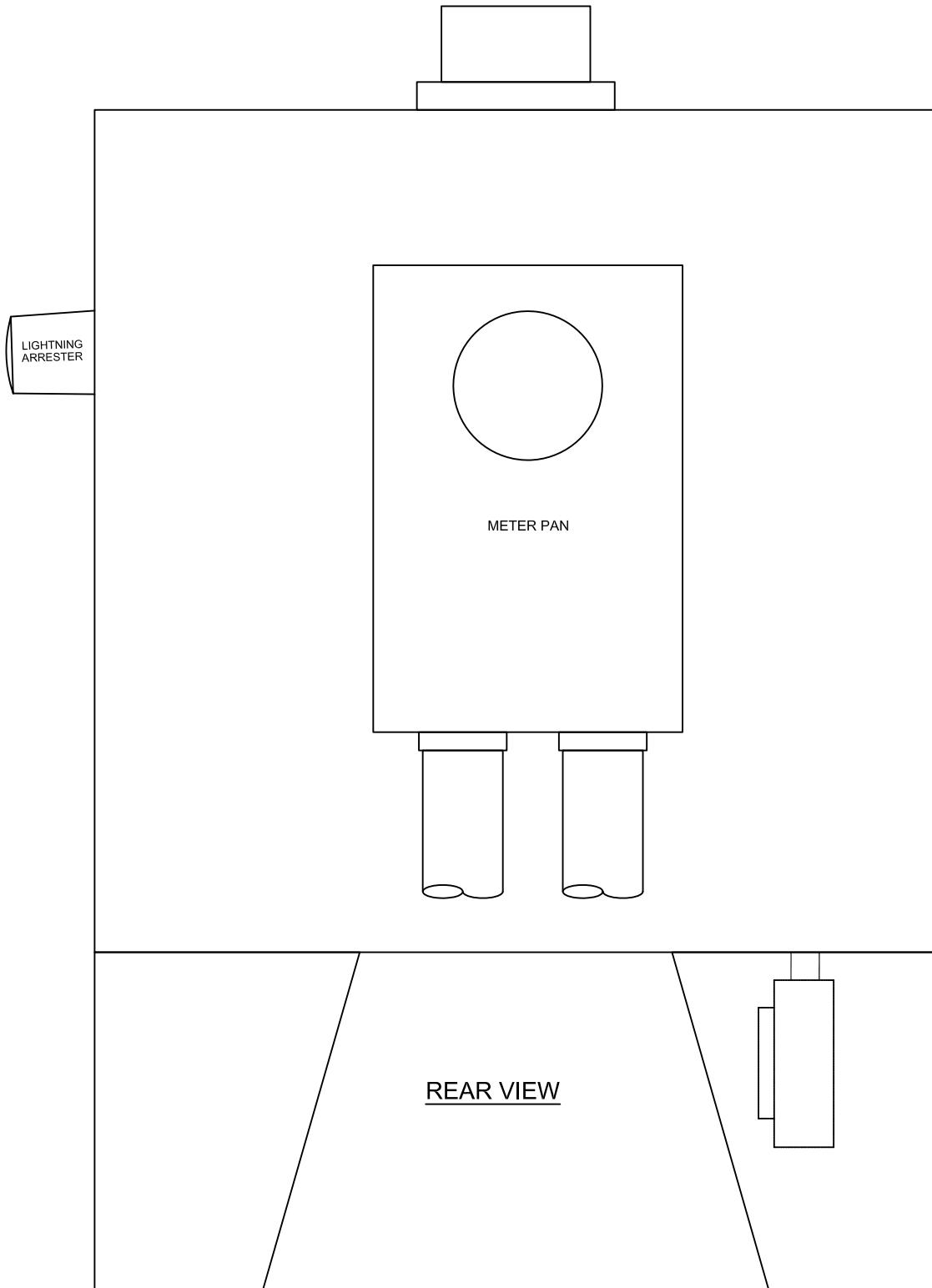
NOTE:  
SEWER GASES WILL DESTROY COMPONENTS IN PANEL.  
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE  
PANEL TO PREVENT ENTRY OF GASES.

**COX**

Research and Technology, Inc.

NEMA 3R STAINLESS STEEL ENCLOSURE

	Drawing Title						
	ENCLOSURE						
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY
DATE 5/30/14	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	
			T.L.	A.DANIELS	BY	DATE	
	Project Title		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL		Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2048-CK-BARNES		
					SHEET NUMBER 4		



	Drawing Title  ENCLOSURE					
DATE 5/30/14	REFERENCE DRAWING S/N	NO. Sales Engineer	REVISION-LOCATION Application Engineer T.L.	ECN DRAWN A.DANIELS	DATE APPROVED BY DATE	BY
	Project Title  DUPLEX PUMP CONTROL PANEL		<u>COX</u> Research and Technology, Inc. <u>COX</u>	P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-2048-CK-BARNES  SHEET NUMBER 5	

## BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S303016REPL/12" LEGS	ENCLOSURE
1a	1	EBE	3030P	BACKPLATE
2	1	ABB	OT100F3	MAIN DISC. SWITCH
3	1	ABB	A16-30-10-84	MOTOR STARTER 1
4	1	ABB	TA25DU14	O.L. RELAY 1 (10-14A)
5	1	SQUARE D	QOU225	CB1
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	1	DELTA	LA302R	LIGHTNING ARRESTER
11	2	REDINGTON	711-0190	ELAPSED TIME METER
12	1	STOCK		GFI RECEPTACLE
13	1	SYMCOM	201-SP	PHASE MONITOR
14	1	SQUARE D	QOU115	CB3
15	1	MARATHON	1323580	DIST. BLOCK
16	1	ETI	2541000	FU1
17	2	GE	4X758	RUN CAPACITOR
18	1	ABB	FS126RC	FLASHER
19	1	ABB	A30-30-10-84	MOTOR STARTER 2
20	1	ABB	TA25DU32	O.L. RELAY 2 (24-32A)
21	1	SQUARE D	QOU250	CB2
22				
23				
24				
25				

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 5/30/14			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
					T.L.	A.DANIELS	BY	DATE	
	Project Title		COX			PURCHASE ORDER NUMBER			
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.			DRAWING NUMBER CP-2048-CK-BARNES			
							SHEET NUMBER 6		