
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
AMARIS ISLE PLANTATION
GRAND ISLE, LOUISIANA
LIFT STATION #1

FIELD REVISION
April 10, 2015

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	3	
FLA	13.3A	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Gorman Rupp	
CATALOG NUMBER	SFV3A	
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		

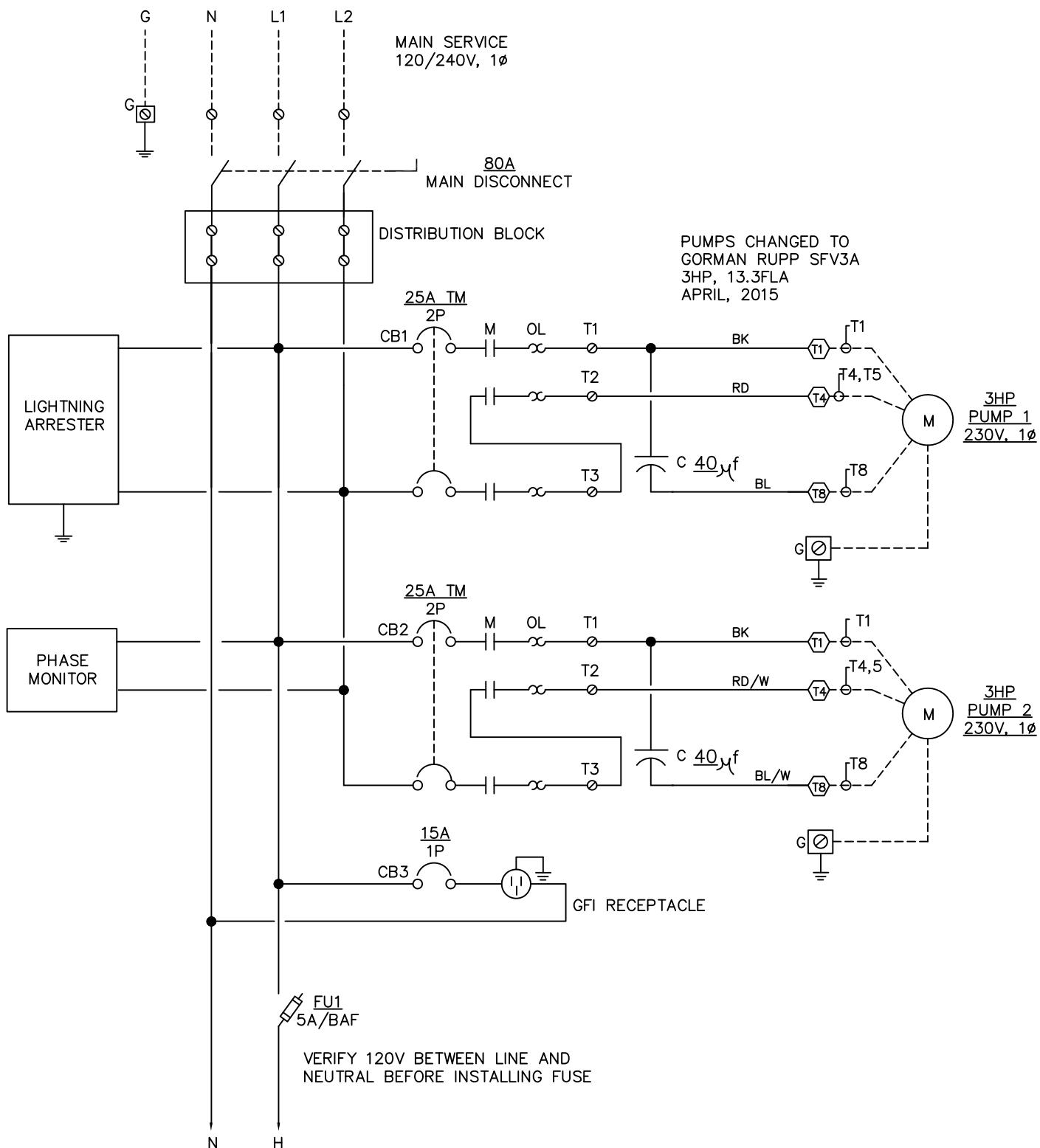
OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(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		

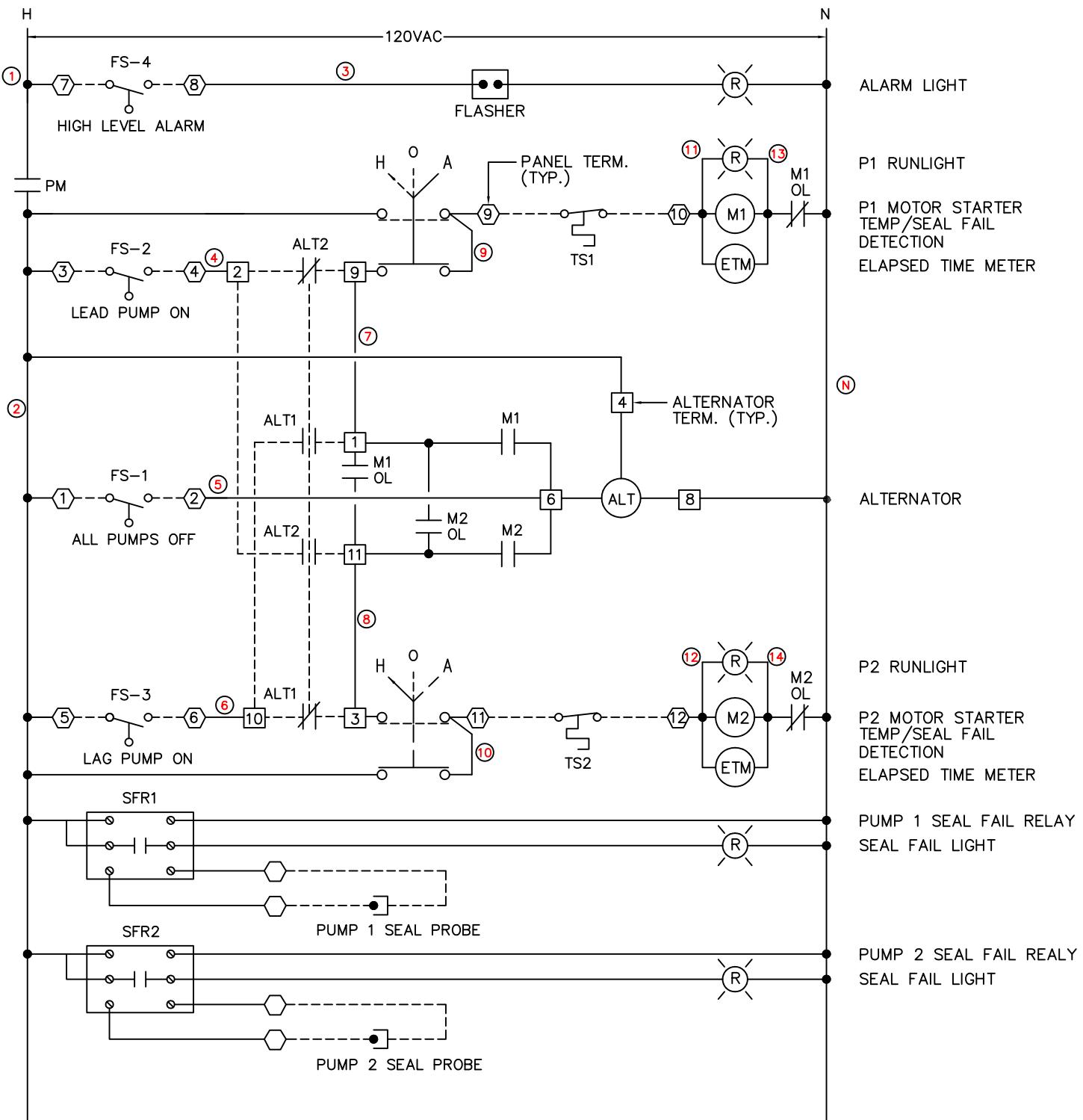
SOLD TO: Delta Process - New Orleans, LA
TAG : AMARIS ISLE PLANTATION
GRAND ISLE, LA LIFT STATION #1

SHIP TO: Delta Process - Denham Springs, LA

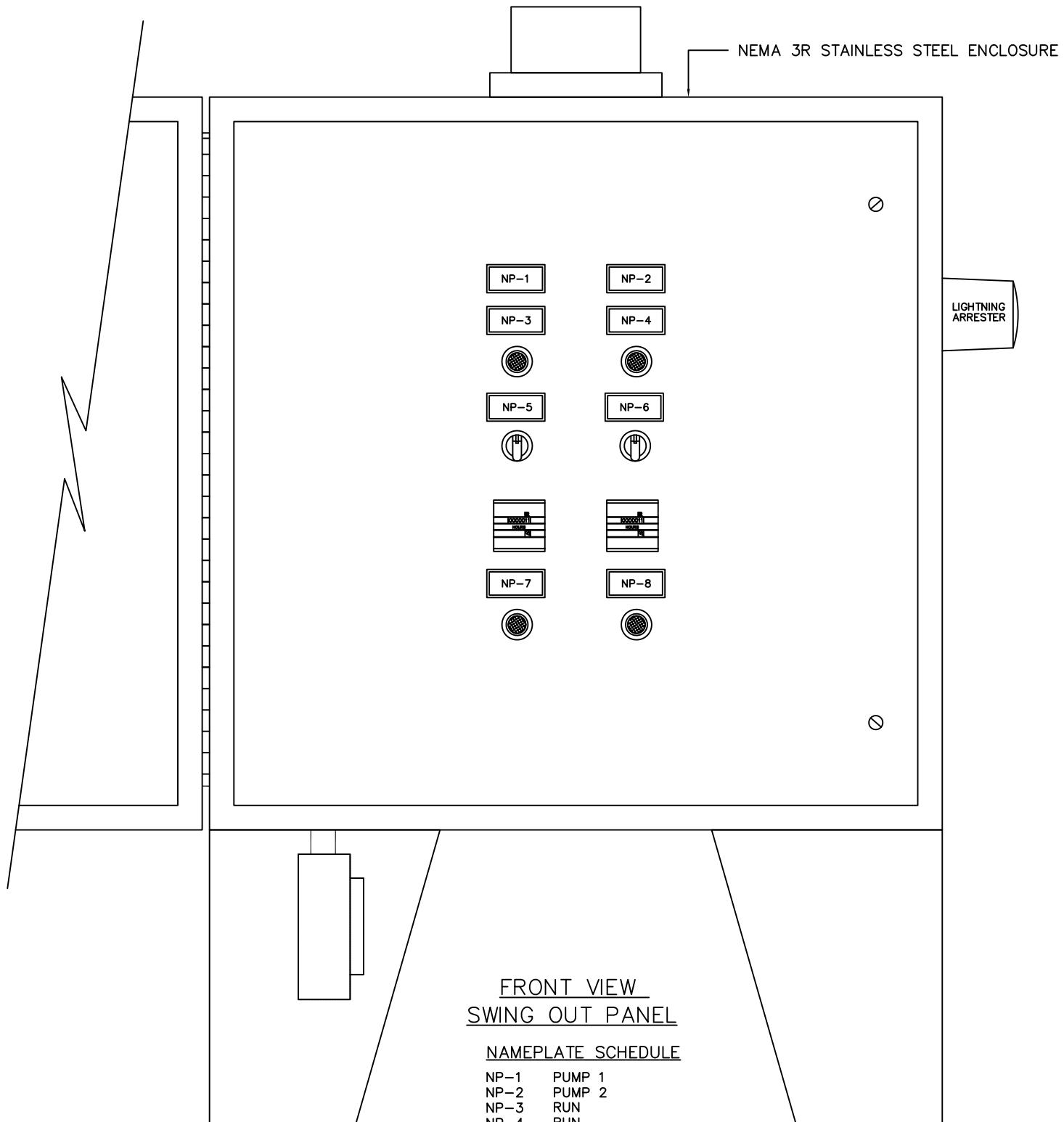
Drawing Title	PANEL DESCRIPTION	CHANGE 1 PUMP						4/6/15	TL
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
DATE 4/10/15	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED				
		C.C.	R.C.	BY B.V.	BY	DATE			
	Project Title						PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL						DRAWING NUMBER		
	<u>COX</u> Research and Technology, Inc.						CP-2048-R1		
							SHEET NUMBER		
							1		



	Drawing Title POWER DIAGRAM							
			1	CHANGE 1 PUMP		4/6/15	TL	
DATE 4/10/15		REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY B.V.	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	PURCHASE ORDER NUMBER		
					Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2048-R1		
						SHEET NUMBER 2		

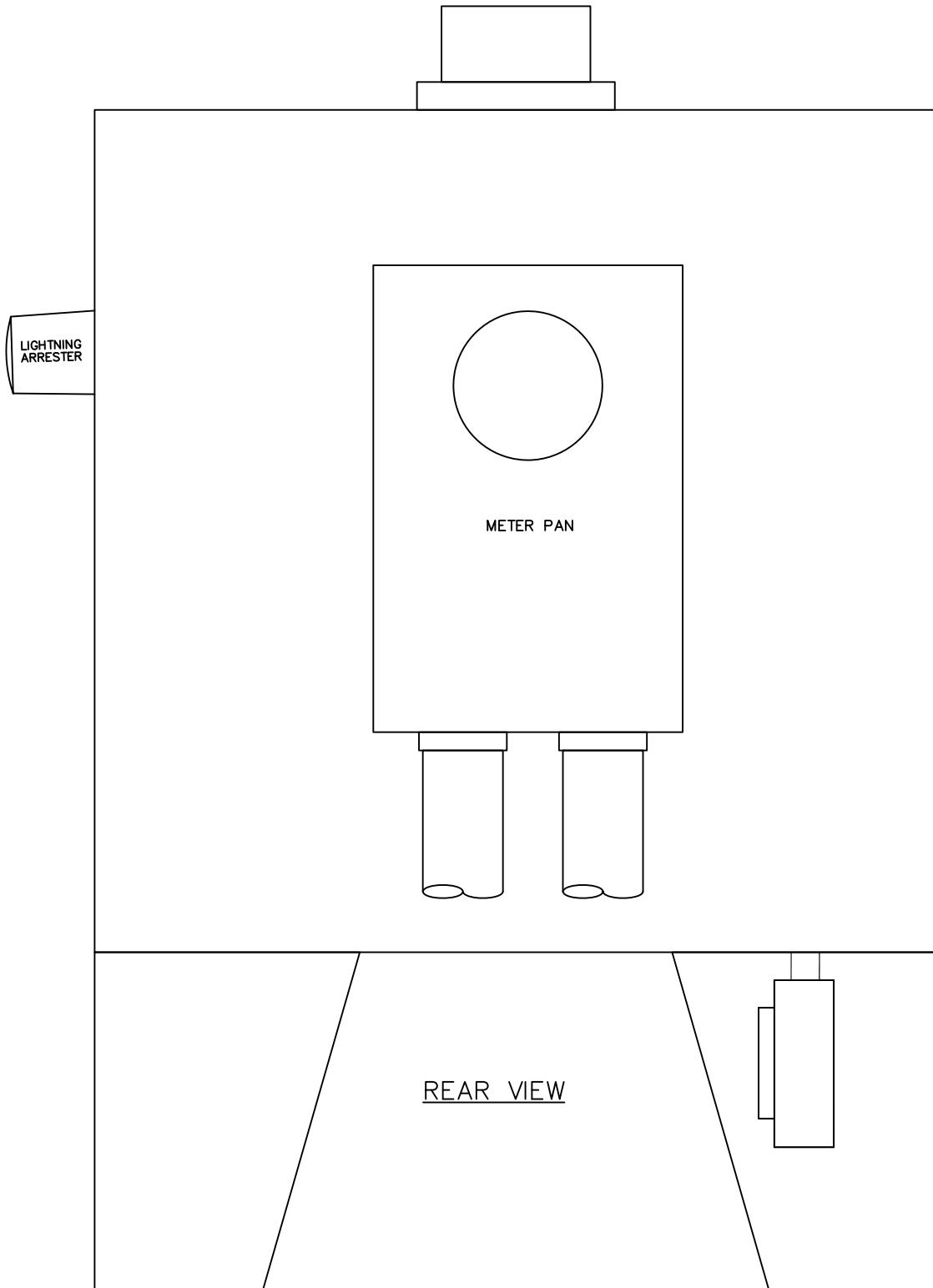


	Drawing Title CONTROL DIAGRAM				
		1	CHANGED PUMP/ADD SFR		4/6/15 TL
	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 4/10/15	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY B.V.	APPROVED BY DATE
Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2048-R1 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.

	Drawing Title						
	ENCLOSURE						
		1	CHANGED PUMP/ADD SEAL FAIL LIGHT			4/6/15	TL
	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
DATE 4/10/15	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
	C.C.		R.C.	BY B.V.	BY	DATE	
	Project Title	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. <hr/> <hr/>			PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL				DRAWING NUMBER		
					CP-2048-R1		
					SHEET NUMBER		
					4		



	Drawing Title ENCLOSURE					
DATE 4/10/15	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY B.V.	ECN	DATE	BY
	Sales Engineer	Application Engineer R.C.			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 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2048-R1 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	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU14	O.L. RELAY (10-14A)
5	2	SQUARE D	QOU225	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	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	1	ABB	FS126RC	FLASHER
18	2	DAYTON	2MDW6	PUMP CAPACITOR 40 μ F/370V
19	2	SSAC	LLC54AA	SEAL FAIL RELAY
20				
21				
22				
23				
24				
25				

	Drawing Title							
	BILL OF MATERIALS							
				1	CHANGED PUMP/ADD SEAL FAIL LIGHT		4/6/15	TL
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 4/10/15			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
		C.C.	R.C.	BY B.V.	BY	DATE		
	Project Title		COX		PURCHASE ORDER NUMBER DRAWING NUMBER CP-2048-R1			
	DUPLEX PUMP CONTROL PANEL		Research and Technology, Inc.					
					SHEET NUMBER 6			