
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
ROSENWALD #9

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

CP-1780R1

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	2	
HP	5	
FLA	28 (est.)	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	BARNES	
CATALOG NUMBER		

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

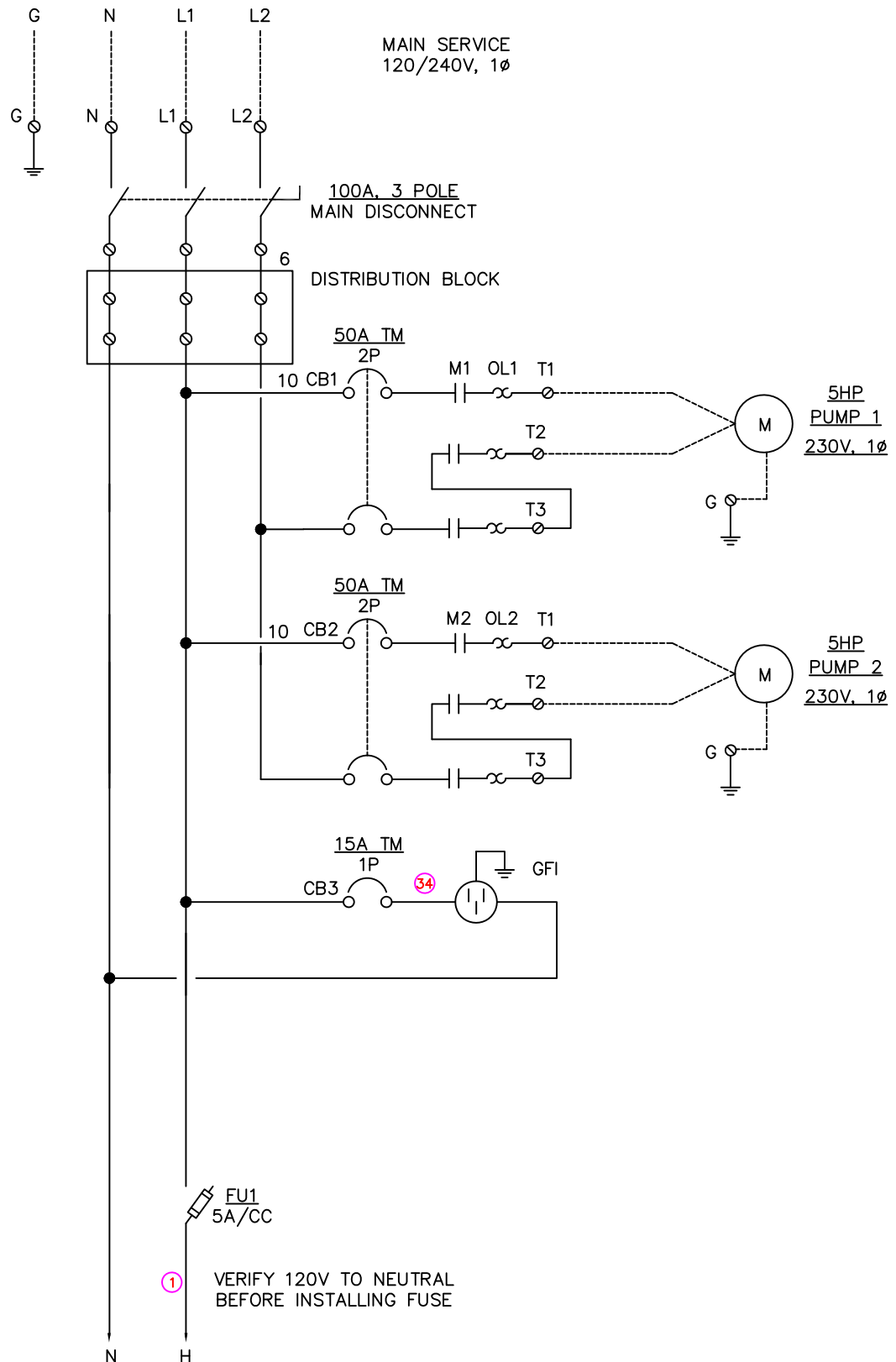
OPTIONS:

SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS	X	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(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	X	
PHASE MONITOR		
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		

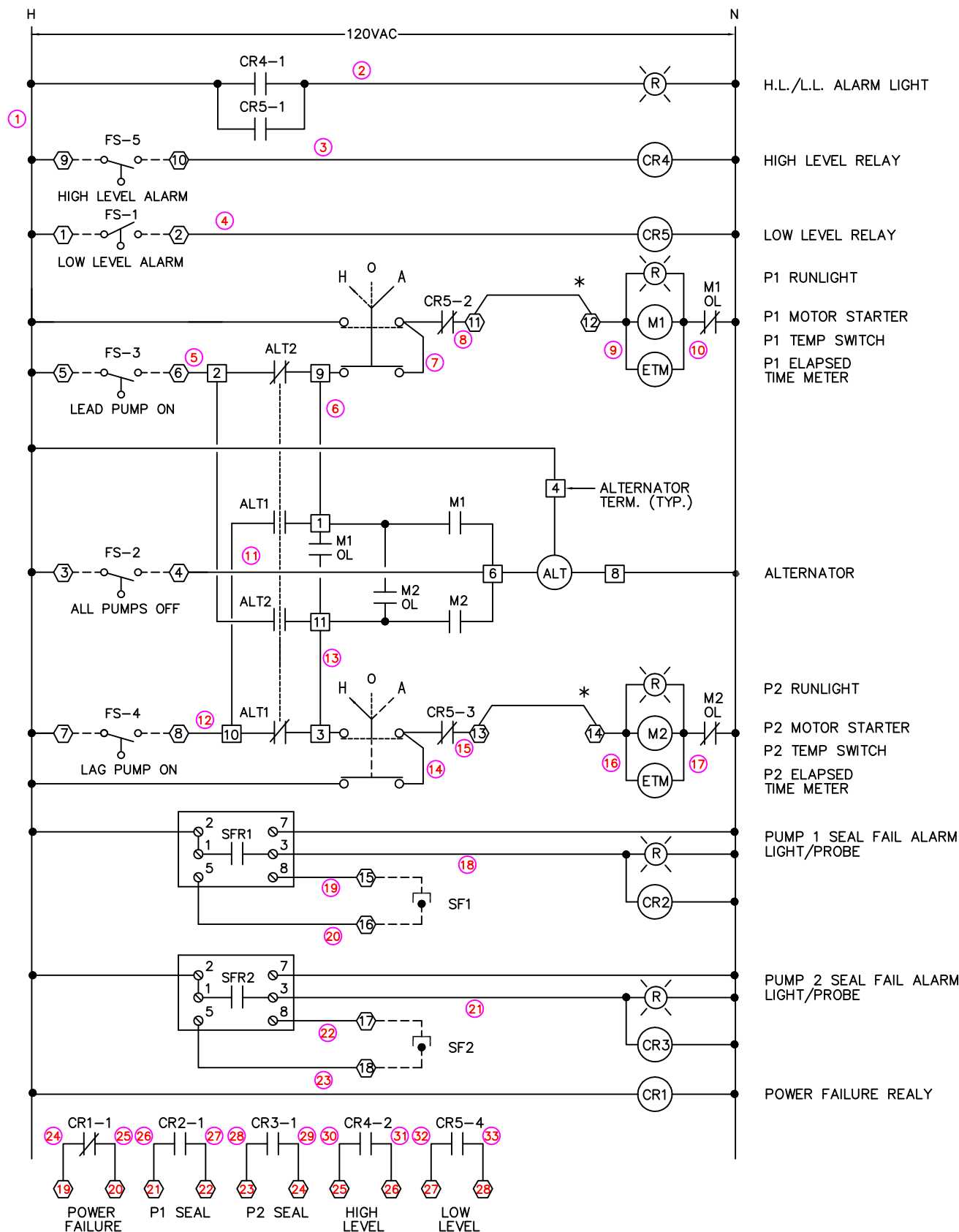
SOLD TO: Delta Process - Bossier City, LA
TAG : ROSENWALD #9

SHIP TO: Delta Process - Ruston, LA

	Drawing Title		R1	Change to 5HP Pumps		05/17/07	
	PANEL DESCRIPTION						
DATE 05/17/07		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY COREYC	APPROVED BY	DATE
	Project Title	<div>COX</div> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-1780R1	
						SHEET NUMBER 1	

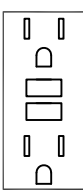
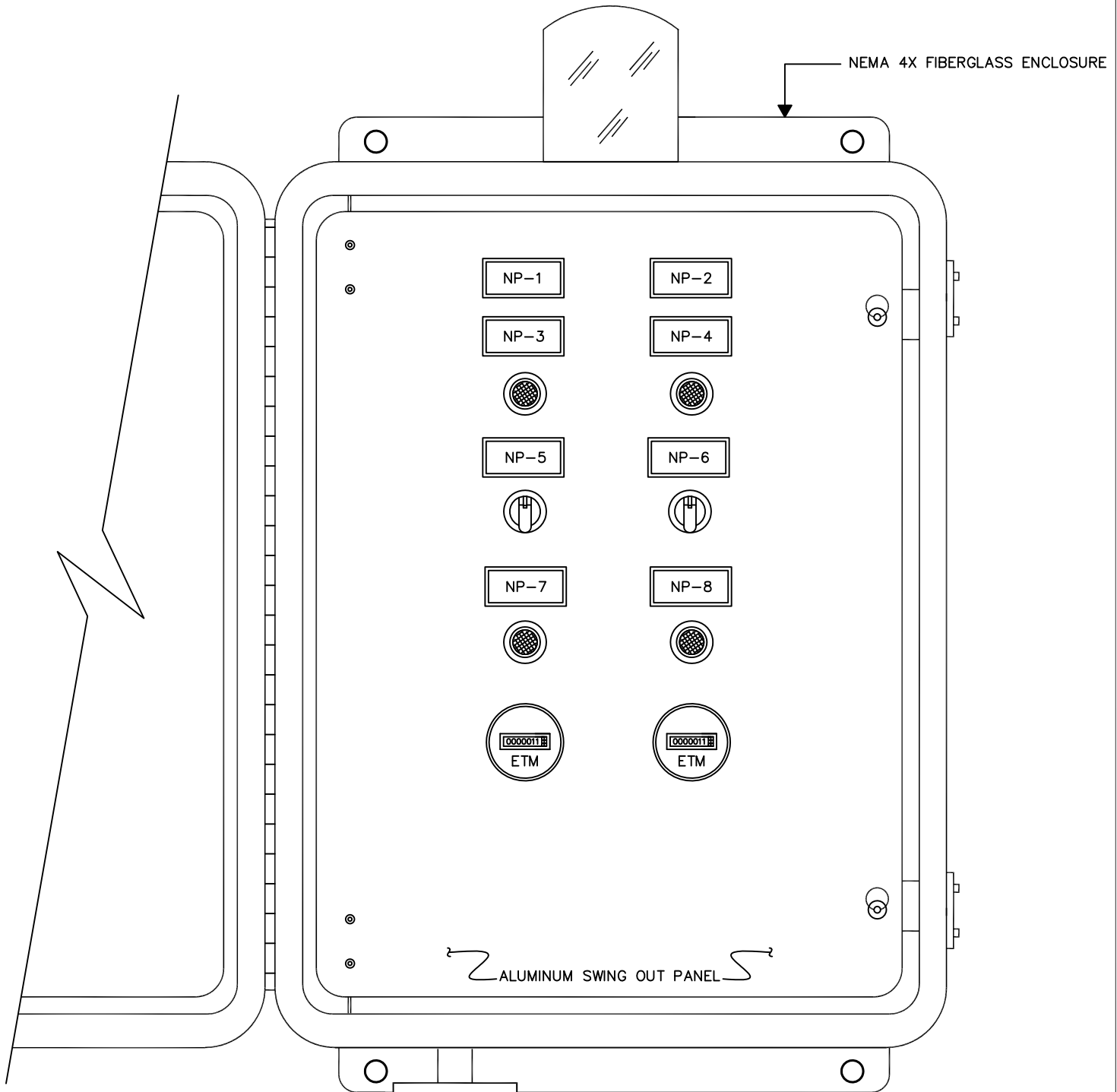


	Drawing Title	R1	Change to 5HP Pumps	05/17/07	
	POWER DIAGRAM				
DATE	05/17/07	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN
		S/N	Sales Engineer	Application Engineer	DATE
			C.C.	R.C.	BY
	Project Title			BY COREYC	APPROVED
	DUPLEX PUMP CONTROL PANEL				DATE
					PURCHASE ORDER NUMBER
					DRAWING NUMBER
					CP-1780R1
					SHEET NUMBER
					2



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

DATE 05/17/07	Drawing Title		R1	Change to SHP Pumps		05/17/07	
	CONTROL DIAGRAM						
	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	S/N		Sales Engineer C.C.	Application Engineer R.C.		BY COREYC	APPROVED
Project Title		PURCHASE ORDER NUMBER		DRAWN		BY	DATE
DUPLIX PUMP CONTROL PANEL		COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		DRAWING NUMBER CP-1780R1	
				Ph. (225)756-3271 Fax (225)755-1030		SHEET NUMBER 3	



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	SEAL FAIL
NP-8	SEAL FAIL

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

	Drawing Title <
--	--

COX

Research and Technology, Inc.

P.O. Box 77808
Baton Rouge, LA
70809

Ph. (225)756-3271
Fax (225)755-1030

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPL	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT100E3	MAIN DISC. SWITCH
3	2	ABB	A30-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU32	O.L. RELAY (24-32A)
5	2	SQUARE D	QOU250	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	MARATHON	1323580	DISTRIBUTION BLOCK
11	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
12	2	SSAC	LLC54AA	SEAL FAIL RELAY
13	4	OMRON	G2R2SAC120	CR1-4
14	1	OMRON	LY41NAC120	CR5
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title		R1	Change to 5HP Pumps		05/17/07	
	BILL OF MATERIALS						
DATE 05/17/07		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	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 70809 Ph. (225)756-3271 Fax (225)755-1030		APPROVED BY COREYC DATE
	DUPLEX PUMP CONTROL PANEL				PURCHASE ORDER NUMBER DRAWING NUMBER CP-1780R1 SHEET NUMBER <div style="text-align: right;">5</div>		