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# COX

Research and Technology, Inc.

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DUPLEX PUMP  
CONTROL PANEL  
5HP-20A

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

CP1432A


VOLTAGE	<u>240V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>5</u>	
FLA	<u>20</u>	
TYPE OF PUMP	<u>Submersible</u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>24V/120</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Fiberglass</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Floats</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	

OPTIONS:

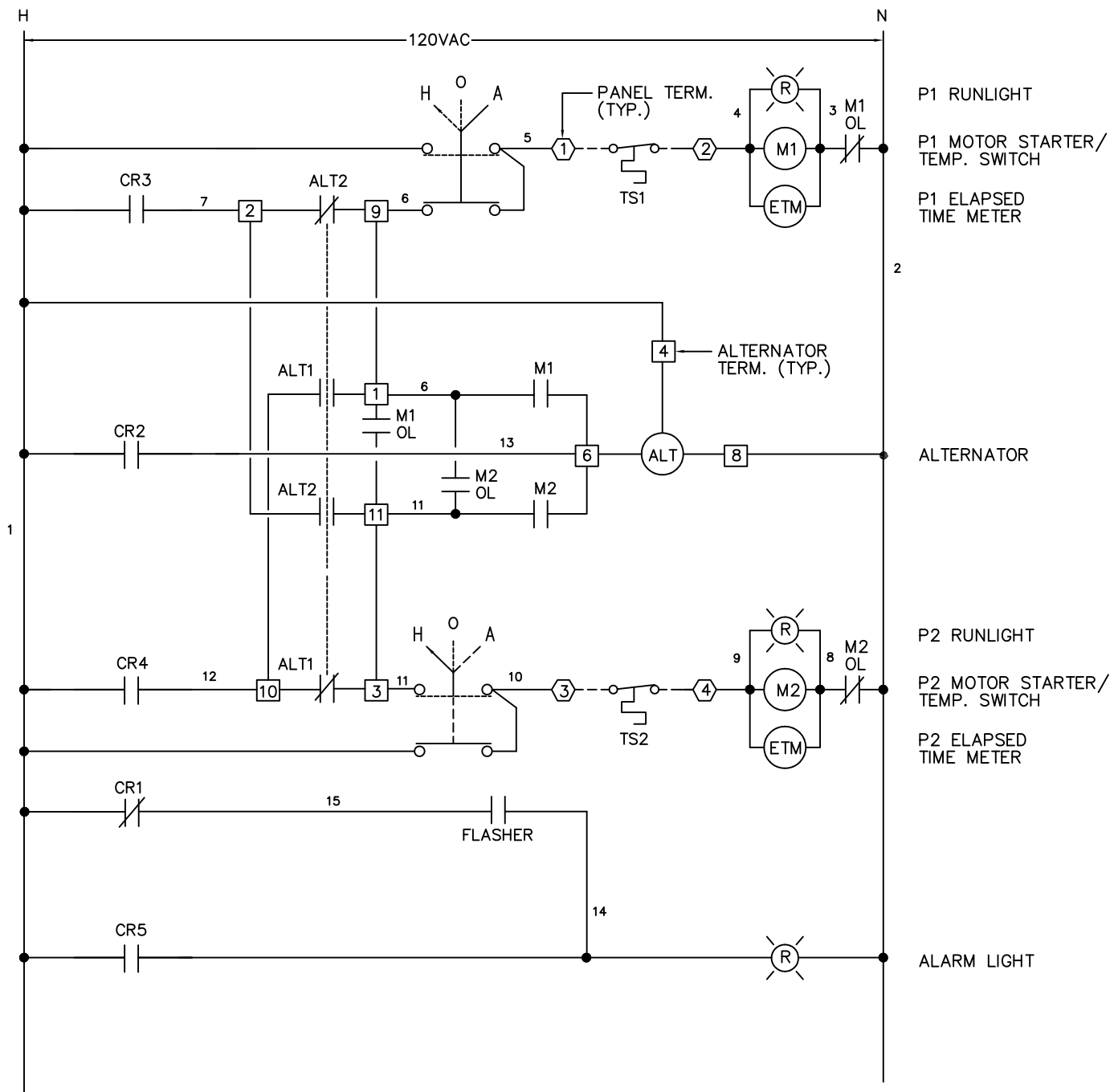
SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u>X</u>	(Self-Primer, Submersible)
ALARM HORN	<u></u>	
ALARM LIGHT	<u>X</u>	
LIGHT PANEL MTD	<u>X</u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	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

SOLD TO: Lafayette Consolidated Government  
TAG : Utilities, Wastewater Treatment

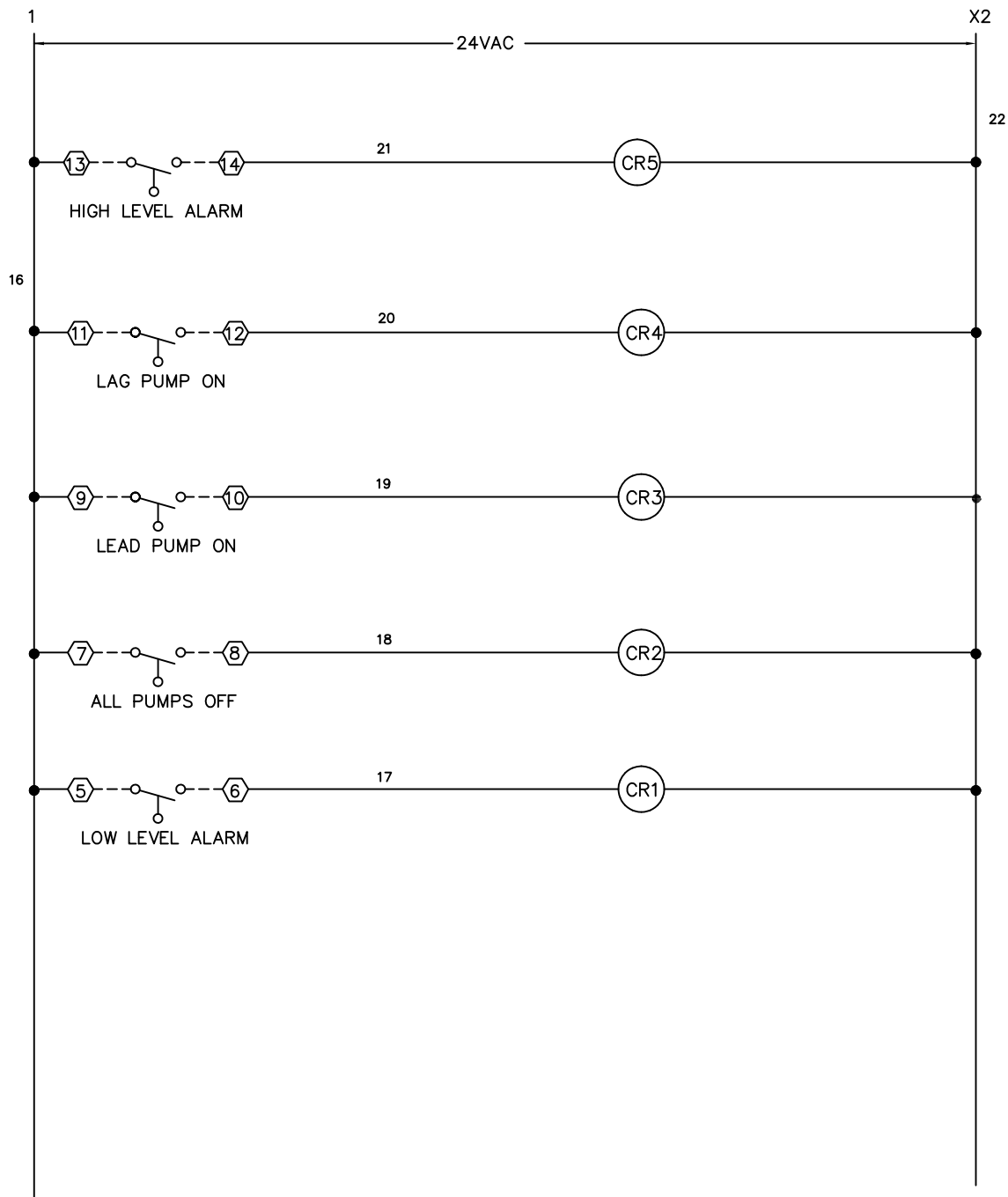
SHIP TO: Lafayette, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 6/30/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;">   Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP1432A
							SHEET NUMBER 1





DATE 6/30/03	Drawing Title								
	CONTROL DIAGRAM								
	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)756-1030		DRAWING NUMBER CP1432A		
							SHEET NUMBER 3		



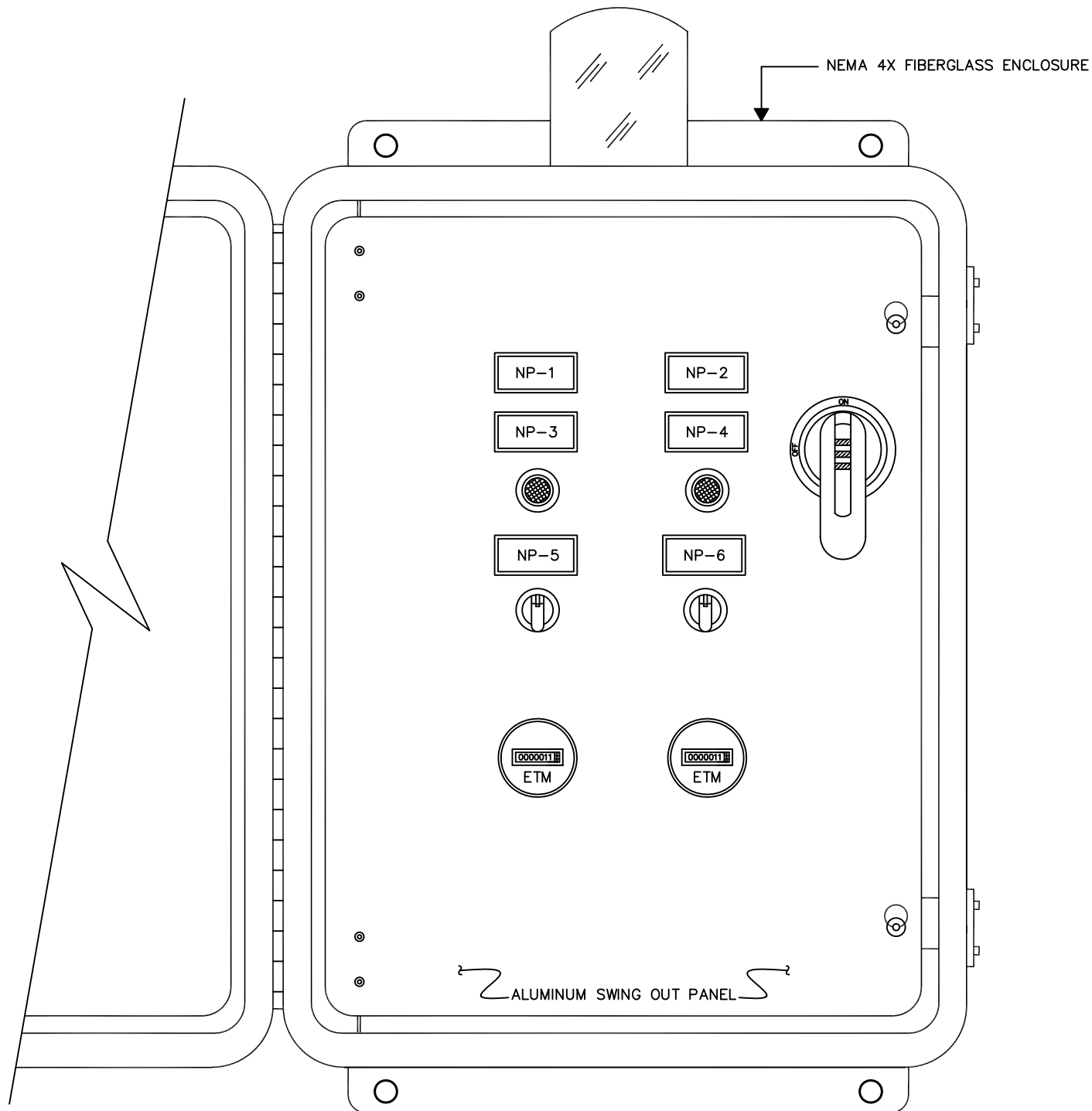
	Drawing Title						
	CONTROL DIAGRAM						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
5/30/02		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY	CTR	APPROVED
	Project Title				BY	DATE	PURCHASE ORDER NUMBER
	DUPLEX PUMP CONTROL PANEL						DRAWING NUMBER CP1432A
							SHEET NUMBER 4

**COX**

Research and Technology, Inc.

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70809

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### VIEW OF SWING OUT PANEL

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

### NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

DATE 5/30/02	Drawing Title							
	ENCLOSURE							
Project Title	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N		Sales Engineer		Application Engineer		BY	DATE
Project Title	C.C.		R.C.		DRAWN		BY	DATE
	C.C.		R.C.		BY		BY	DATE
Project Title	C.C.		R.C.		DRAWN		PURCHASE ORDER NUMBER	
	C.C.		R.C.		DRAWN		PURCHASE ORDER NUMBER	
Project Title	C.C.		R.C.		DRAWN		DRAWING NUMBER	
	C.C.		R.C.		DRAWN		DRAWING NUMBER	
Project Title	C.C.		R.C.		DRAWN		SHEET NUMBER	
	C.C.		R.C.		DRAWN		SHEET NUMBER	

**COX**

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70809

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DRAWING NUMBER  
CP1432A

SHEET NUMBER

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	S1N100TL	MAIN DISC. SWITCH
3	2	ABB	A26N1-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU25	O.L. RELAY (18-25A)
5	2	SQUARE D	QOU340	CB1, CB2
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	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
11	1	SSAC	FS126	FLASHER
12	1	SQUARE D	9070TF50D23	TRANSFORMER 240/480-24
13	1	SQUARE D	QOU115	CB3
14	1	ABB	OX10X225	SHAFT FOR DISC. SWITCH
15	1	ABB	OHB65J10	DISC. SWITCH HANDLE
16	1	ABB	K2VD-M	MECHANISM
17	5	OMRON	2SAC24	RELAY
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	BILL OF MATERIALS						
DATE 5/30/02		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER CP1432A SHEET NUMBER 6
	DUPLEX PUMP CONTROL PANEL						