
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
GLASSELL
LIFT STATION

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

CP-1555

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	5	
FLA	15.2	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	GR	
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		
THERM. & SEAL FAIL WIRING FIGURE		

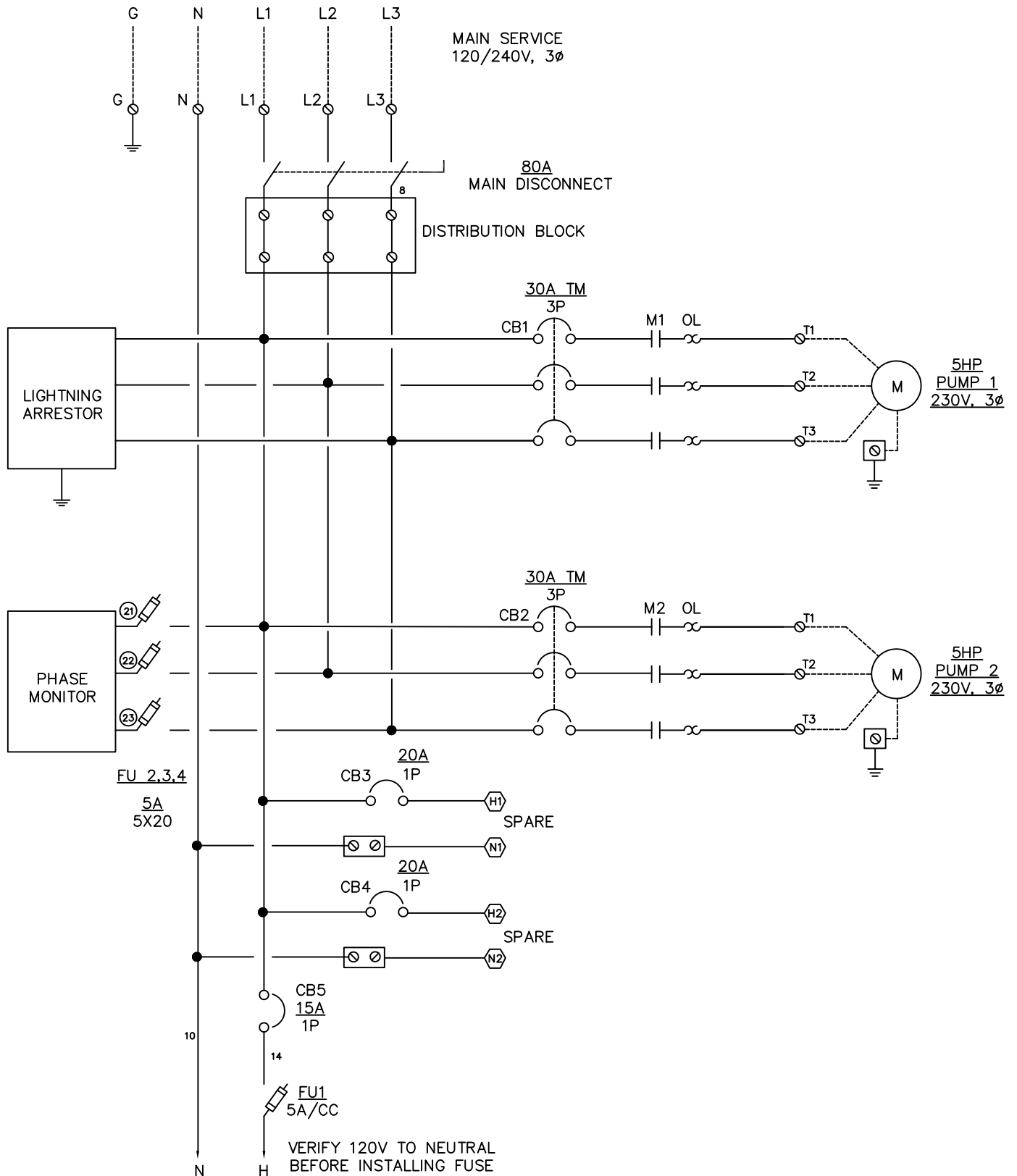
OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(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	X	
ELAPSED TIME METER	X	
PHASE MONITOR	X	
NEMA RATED STARTERS	X Cutler Hammer	
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		
SWING INTERNAL DOOR	X	

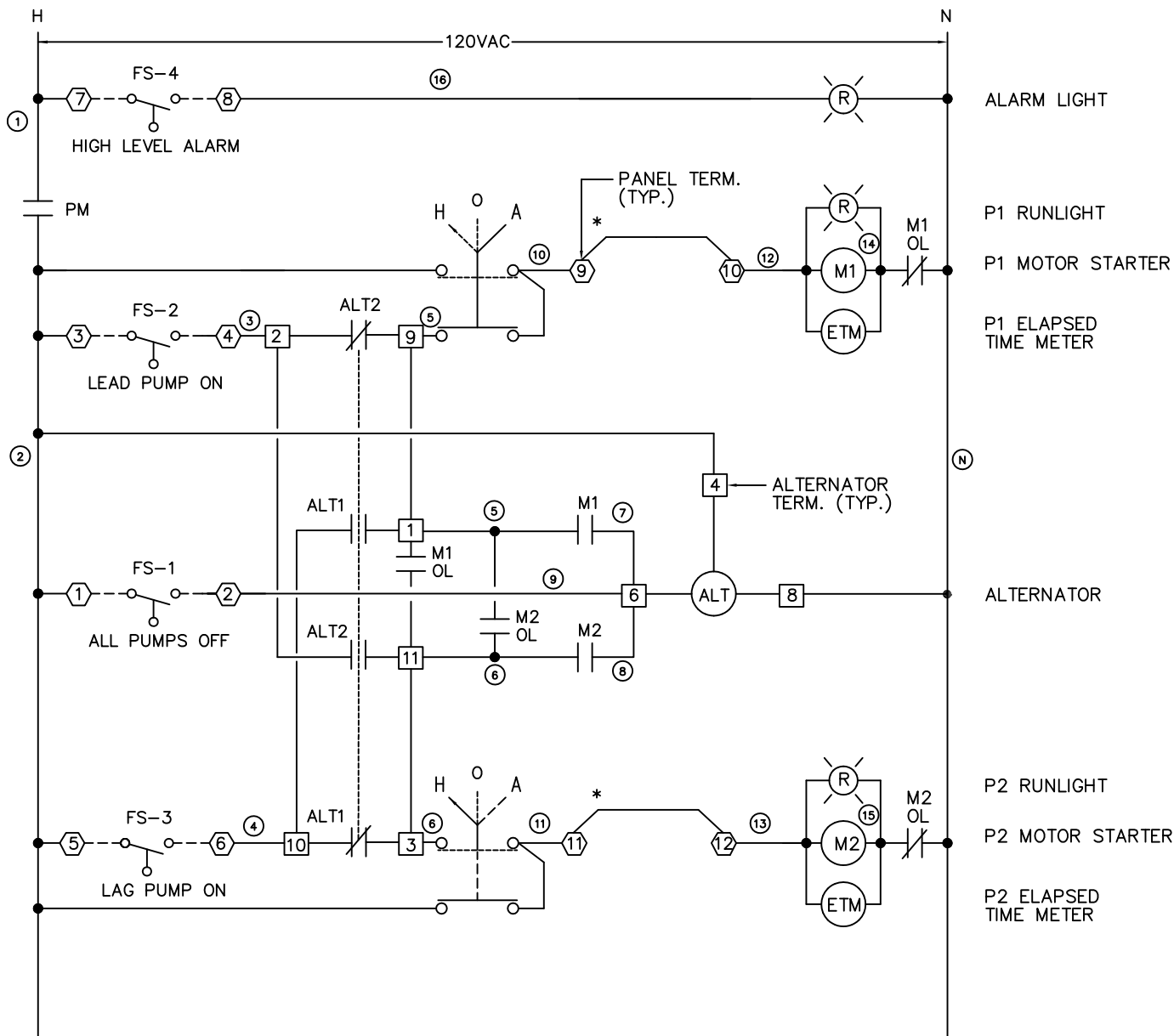
SOLD TO: Delta Process - Bossier City, LA
TAG : GLASSELL

SHIP TO: Delta Process - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 4/23/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div>COX</div> <div>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 CP-1555 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						

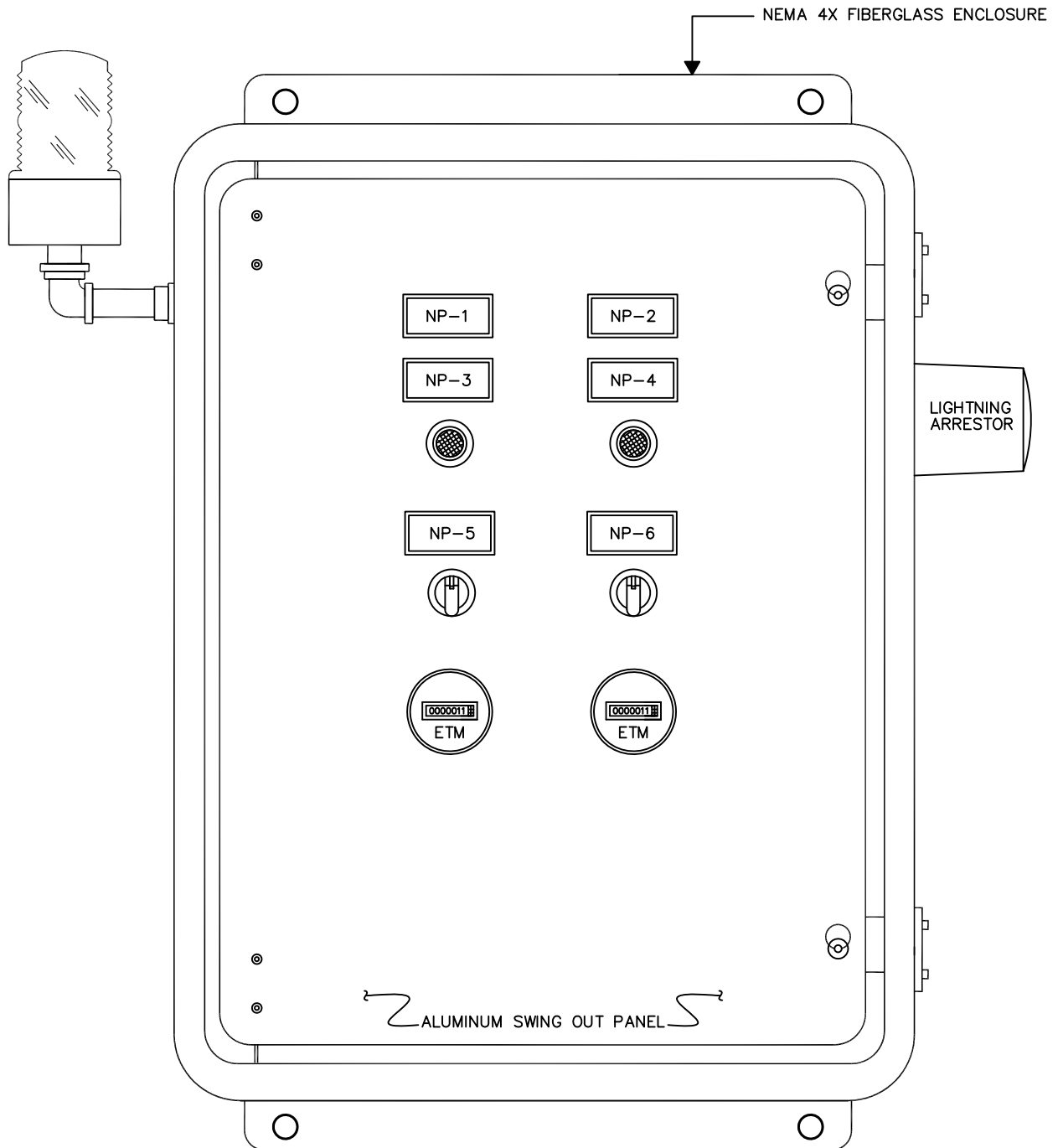


	Drawing Title								
	POWER DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION			ECN	DATE	BY
4/23/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
					BY C. RACHAL		BY	DATE	
	Project Title				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER		
	DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER		
							CP-1555		
							SHEET NUMBER		
							2		



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

Drawing Title							
CONTROL DIAGRAM							
DATE 4/23/03	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN
	S/N		Sales Engineer C.C.		Application Engineer R.C.		DATE
Project Title		BY C. RACHAL		APPROVED		BY	
DUPLEX PUMP CONTROL PANEL		PURCHASE ORDER NUMBER		DRAWING NUMBER CP-1555		SHEET NUMBER	
		COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		Ph. (225)756-3271 Fax (225)756-1030	
						3	



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	H-O-A
NP-6	H-O-A

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

Drawing Title									
ENCLOSURE									
DATE	4/23/03	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
		S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
			C.C.	R.C.	BY C. RACHAL		BY	DATE	
Project Title					PURCHASE ORDER NUMBER				
DUPLEX PUMP CONTROL PANEL		<div style="text-align: center;"> COX Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1555 SHEET NUMBER 4		

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HWPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	CUTLER HAMMER	AN16DN0AB	MOTOR STARTER
4	2	CUTLER HAMMER	H2012B-3	O.L. HEATERS
5	2	SQUARE D	QOU330	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	A-B	800H-QR10R	RED PILOT LIGHT
8	1	TOMAR	495S120R	ALARM LIGHT
9	1	C-H	CHSA03	LIGHTNING ARRESTER
10	2	GRASSLIN	UWZ52E	ELAPSED TIME METER
11	1	SQUARE D	QOU115	CB 5
12	2	SQUARE D	QOU120	CB3,4
13	1	SSAC	PLMU11	PHASE MONITOR
14	2	A-B	800H-JR2A	HOA SWITCH
15				
16				
17				
18				
19				
20				

	Drawing Title							
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>							
DATE 4/23/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
		<div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px 0;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div>		<p>P.O. Box 77808 Baton Rouge, LA 70809</p> <p>Ph. (225)756-3271 Fax (225)756-1030</p>		<p>PURCHASE ORDER NUMBER</p> <hr/> <p>DRAWING NUMBER CP-1555</p> <hr/> <p>SHEET NUMBER</p>		5