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# COX

Research and Technology, Inc.

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MANY, LA  
AIR SCOUR  
DUPLEX BLOWER  
CONTROL PANEL

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

CP-1674

VOLTAGE	<u>480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>2</u>	
HP	<u>50</u>	
FLA	<u>65</u>	
TYPE OF PUMP	<u>Blower</u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Stainless Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Clock</u>	(Floats, Bubbler, Other)
CAPACITORS	<u></u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u></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></u>	
LIGHT PANEL MTD	<u></u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u></u>	
LIGHTNING ARRESTER	<u>X</u>	
ELAPSED TIME METER	<u>X</u>	
PHASE MONITOR	<u>X</u>	
NEMA RATED STARTERS	<u></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>X</u>	
ECONOMY VERSION	<u></u>	
OVER PRESSURE SHUTDOWN/LOCKOUT	<u>X</u>	

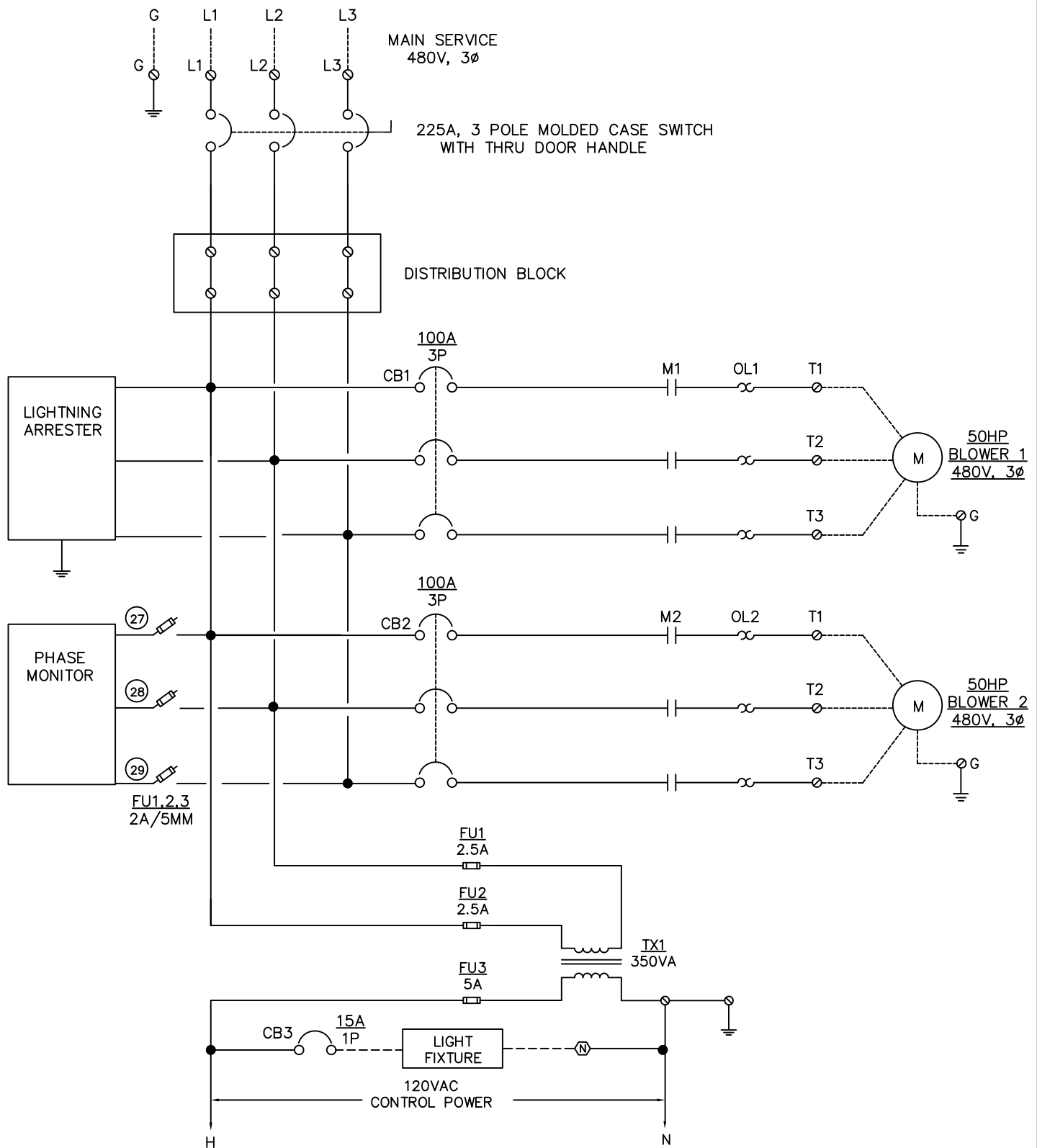
SOLD TO: Delta Process

TAG : Many, LA

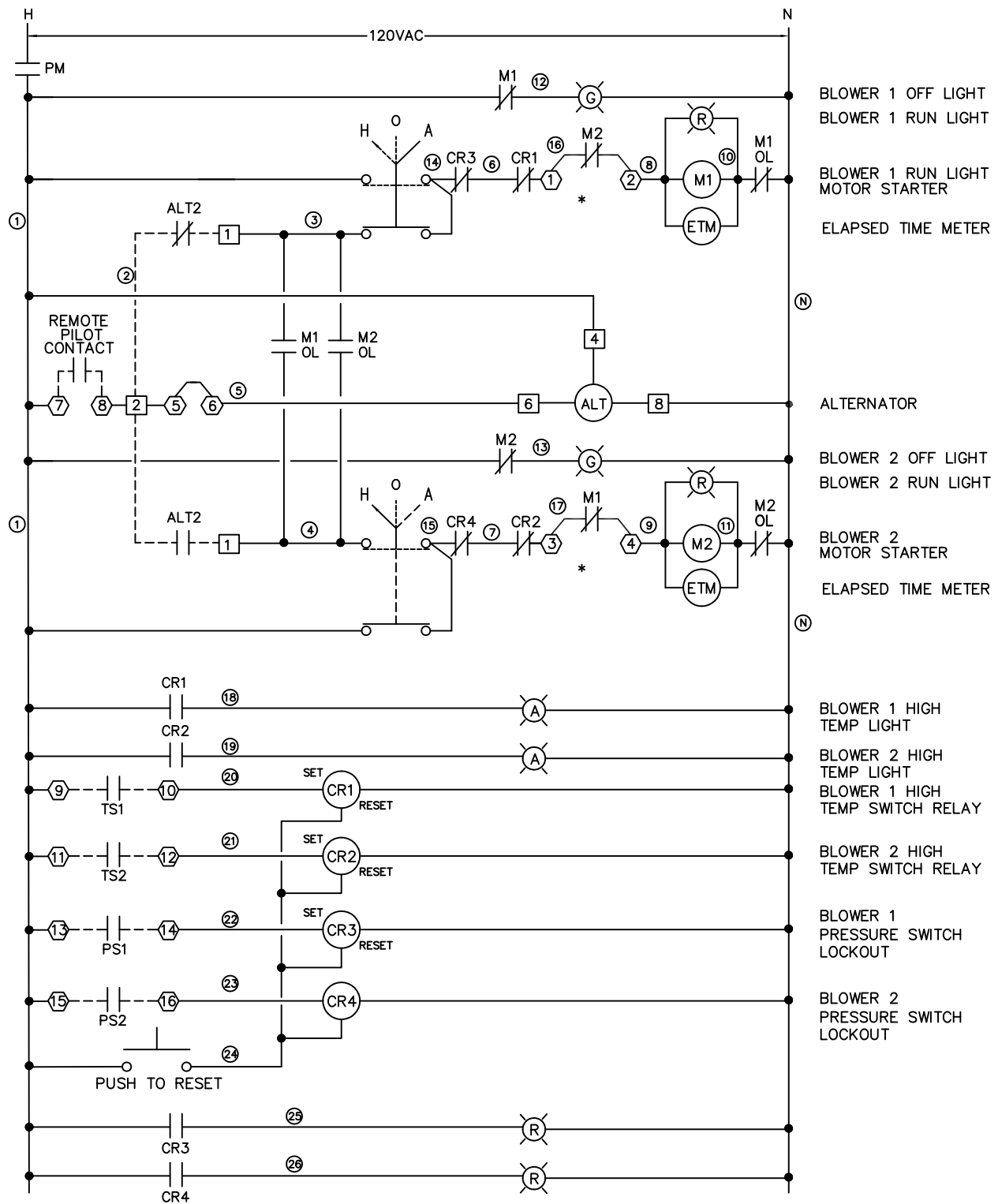
Air Scour

SHIP TO: Delta Process - Denham Springs, LA

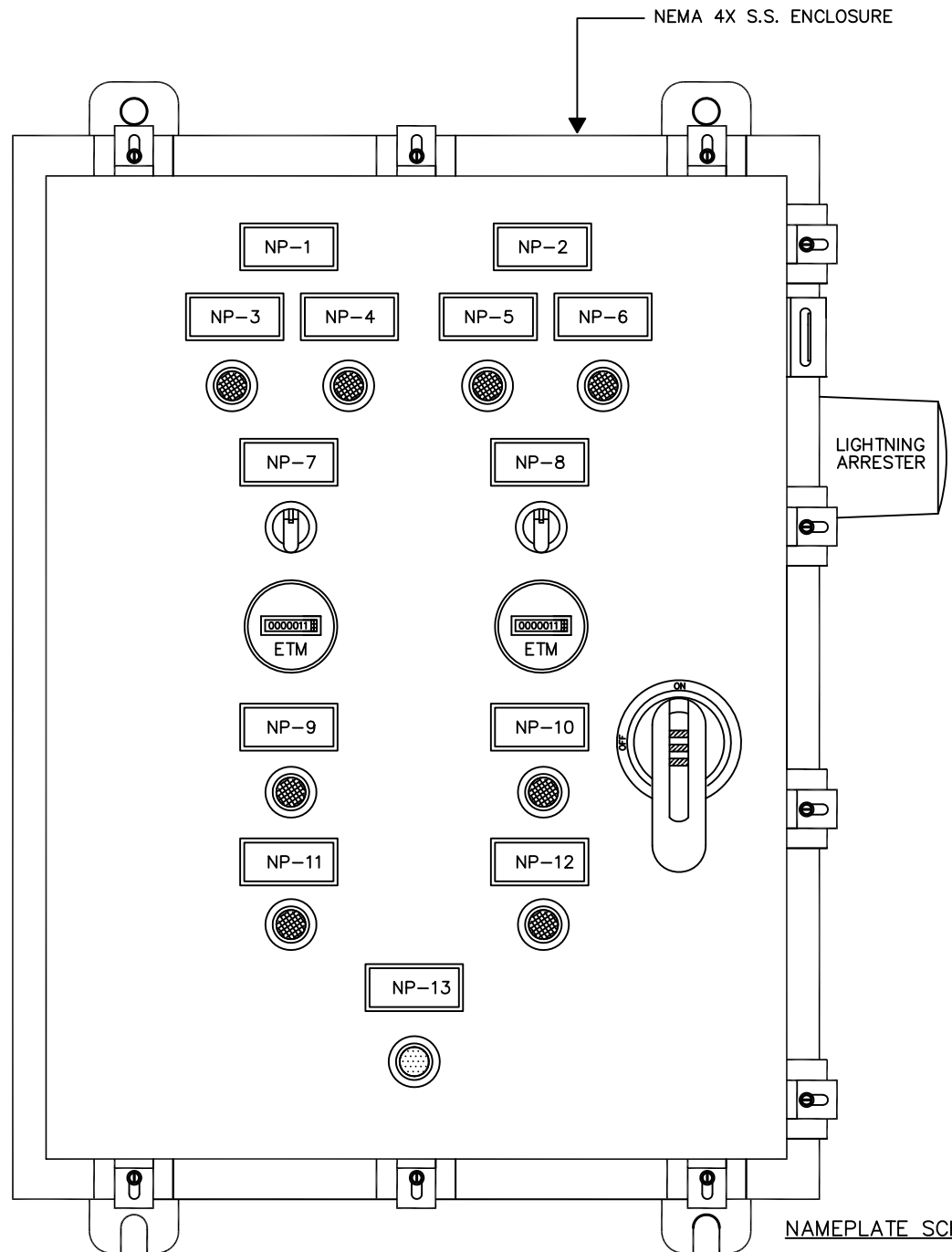
	Drawing Title						
	PANEL DESCRIPTION						
DATE 10/20/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;">   <b>COX</b>  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER
	DUPLEX BLOWER CONTROL PANEL				Ph. (225)756-3271 Fax (225)756-1030		DRAWING NUMBER CP-1674
							SHEET NUMBER 1



	Drawing Title								
	POWER DIAGRAM								
DATE	10/20/03	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	BY	DATE		
	Project Title	COX			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
	DUPLEX BLOWER CONTROL PANEL	Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1674			
						SHEET NUMBER 2			



	Drawing Title						
DATE 10/20/03	CONTROL DIAGRAM	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
		<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-1674 SHEET NUMBER 3
	Project Title	<div>DUPLEX BLOWER CONTROL PANEL</div>					



VIEW OF FRONT OF PANEL

NAMEPLATE SCHEDULE

NP-1	BLOWER 1
NP-2	BLOWER 2
NP-3	OFF
NP-4	RUN
NP-5	OFF
NP-6	RUN
NP-7	HOA
NP-8	HOA
NP-9	HIGH TEMP
NP-10	HIGH TEMP
NP-11	OVER PRESSURE
NP-12	OVER PRESSURE
NP-13	ALARM RESET

NOTE:

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

	Drawing Title  	
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**COX**

Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809

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Fax (225)756-1030

# BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S302410N4X	ENCLOSURE
2	1	EBE	A3024P	BACKPLATE
3	2	ABB	A75-30-11-84	STARTER
4	2	ABB	TA75DU80	O.L. (60-80A)
5	2	ABB	S1N100TL	CIRCUIT BREAKER 1,2
6	2	ACI	JR22P3M20B	H.O.A. SWITCH
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	1	GRASSLIN	FM/1 STUZH-L	TIMER
9	4	ACI	JR22FR	RED PILOT LIGHT
10	1	SQUARE D	9070TF350D1	TRANSFORMER
11	1	ABB	S3B225 DW/LUGS	MOLDED CASE SWITCH
12	2	ACI	JR22FY	AMBER PILOT LIGHT
13	1	ABB	K5VDM	MECHANISM
14	1	ABB	OX10X225	SHAFT
15	1	ABB	OHB95L10	HANDLE
16	1	BUSSMAN	16371	DISTRIBUTION BLOCK
17	1	CH	CHSA03	LIGHTNING ARRESTER
18	1	SSAC	PLMU11	PHASE MONITOR
19	1	SQUARE D	QOU115	CB3
20	2	MCMaster	1672T22-120V	ETM
21	4	MAGNECRAFT	W388AMLCPX-9	CR1-4
22	1	ACI	JR22AN11B	PUSH BUTTON
23	1	ZERUST	VC2-1	CORROSION INHIBITOR

	Drawing Title						
	<h2 style="margin: 0;">BILL OF MATERIALS</h2>						
DATE 10/20/03		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="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div>			P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER  DRAWING NUMBER <div style="text-align: right;">CP-1674</div> SHEET NUMBER <div style="text-align: right;">5</div>
	DUPLEX BLOWER CONTROL PANEL						