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# COX

Research and Technology, Inc.

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DUPLEX BLOWER  
CONTROL PANEL  
CDI ENGINEERS/ATOFINA

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

VOLTAGE	480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	3.4	
TYPE OF PUMP	Blower	(Self-Priming, Submersible)
MANUFACTURER		
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, Bubbler, Other)
CAPACITORS		(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		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER		
PHASE MONITOR	X	
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process - Denham Springs, LA  
TAG : CDI Engineers/Atofina

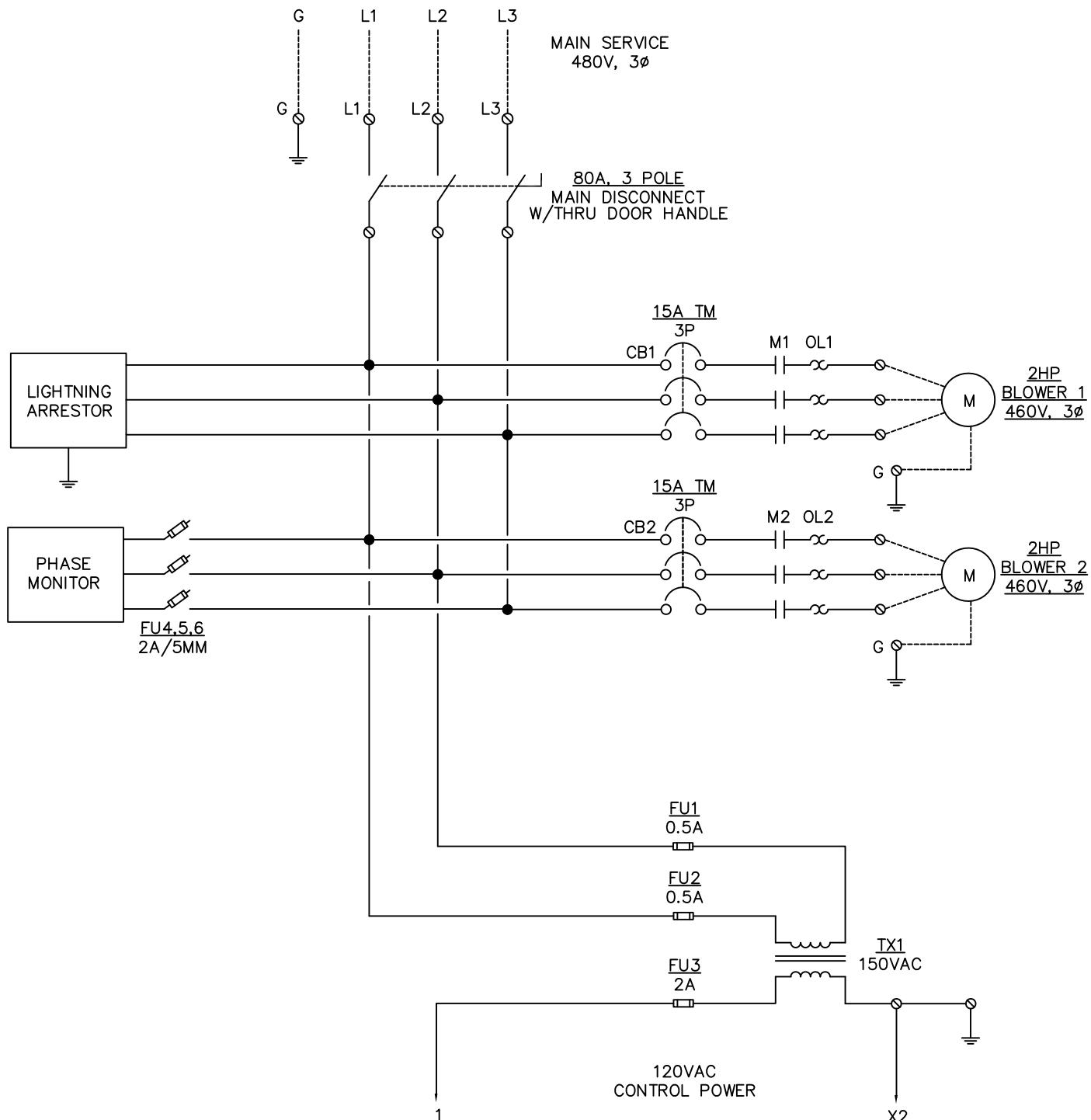
SHIP TO: Delta Process - Denham Springs, LA

DATE 2/03/03	Drawing Title  <b>PANEL DESCRIPTION</b>	REFERENCE DRAWING		NO. R.C.	REVISION-LOCATION		ECN	DATE BY
		S/N	Sales Engineer C.C.		Application Engineer R.C.	DRAWN BY CTR		
	Project Title  <b>DUPLEX BLOWER CONTROL PANEL</b>							

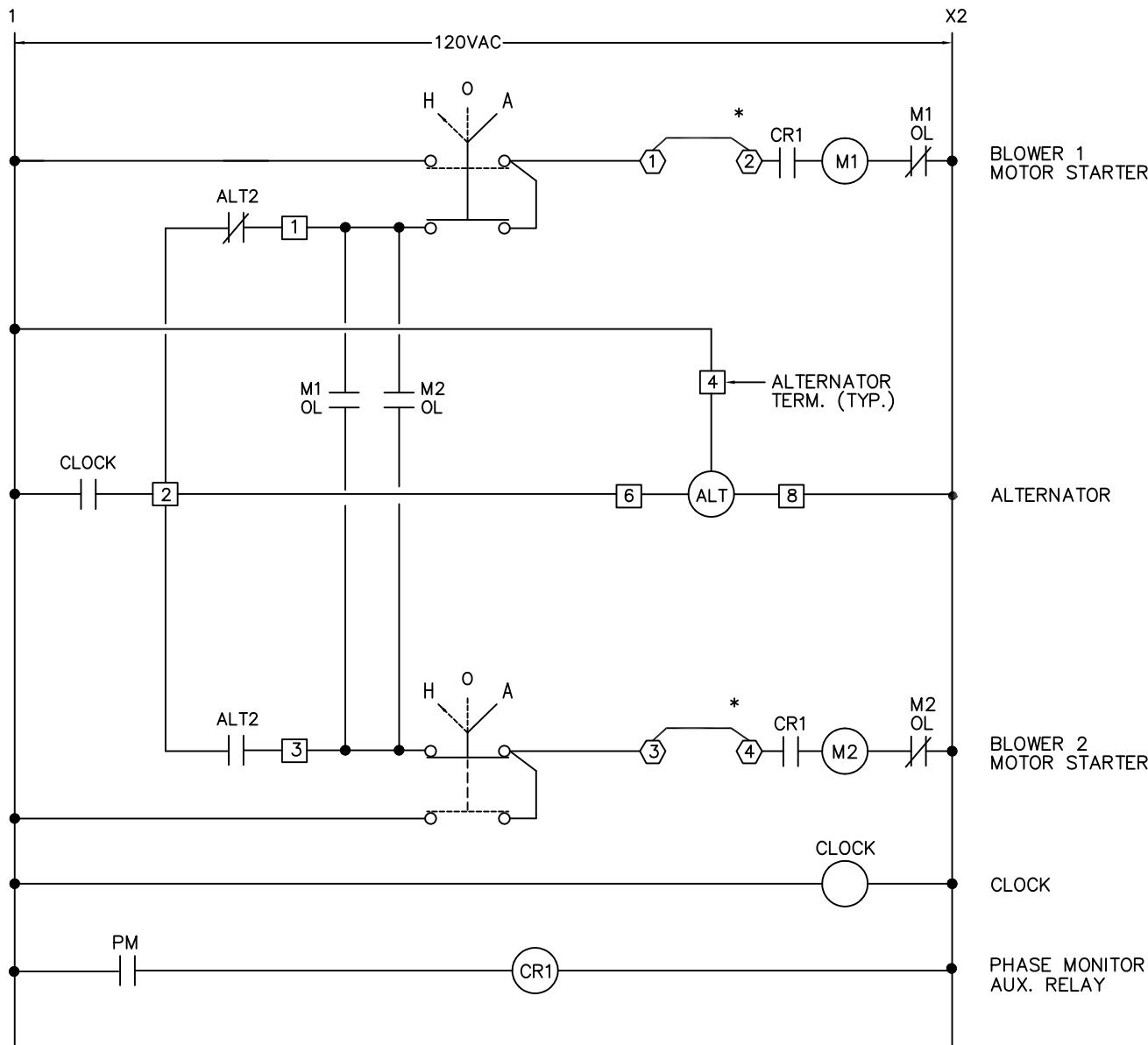
  
Research and Technology, Inc.

P.O. Box 77808  
Baton Rouge, LA  
70809  
Ph. (225)756-3271  
Fax (225)756-1030

PURCHASE ORDER NUMBER
DRAWING NUMBER CP-1528
SHEET NUMBER 1

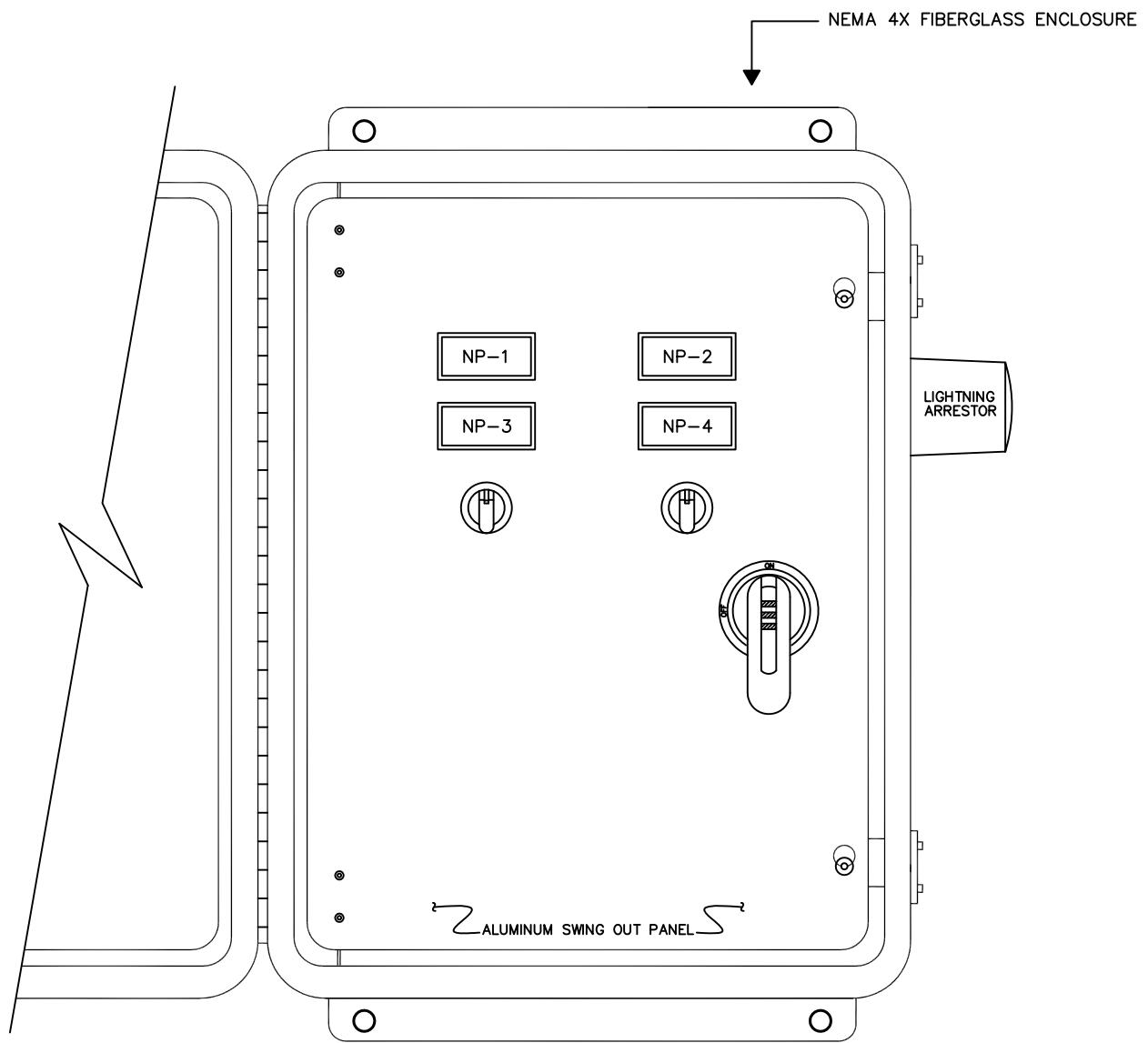


	Drawing Title  POWER DIAGRAM						
DATE 2/03/03	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
			DRAWN BY CTR		APPROVED BY DATE		
	Project Title  DUPLEX BLOWER CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1528			
				SHEET NUMBER 2			



\* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title  CONTROL DIAGRAM					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE
DATE 2/03/03		Application Engineer R.C.				
	Project Title  DUPLEX BLOWER CONTROL PANEL	<b>COX</b> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809  Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1528  SHEET NUMBER 3		



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

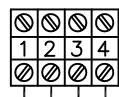
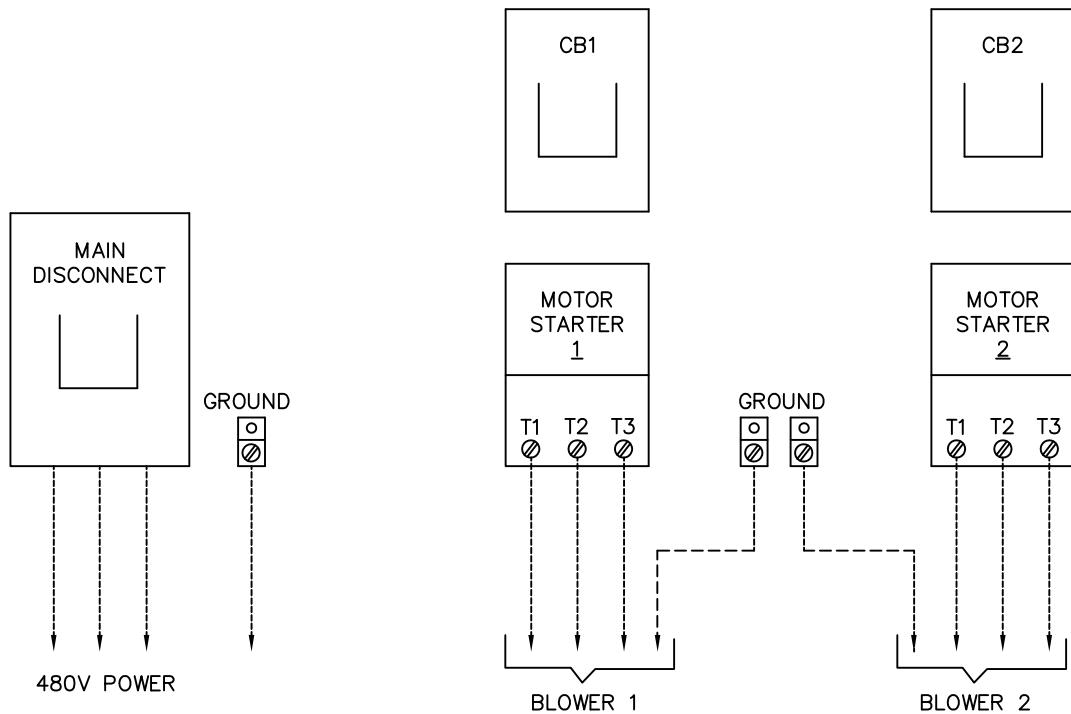
NOTE:  
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.  
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE  
PANEL TO PREVENT ENTRY OF GASSES.

NP-1	BLOWER 1
NP-2	BLOWER 2
NP-3	HOA
NP-4	HOA

DATE 2/03/03	Drawing Title  ENCLOSURE	REFERENCE DRAWING			NO. C.C.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer		DRAWN BY CTR	APPROVED BY DATE			
	Project Title  DUPLEX BLOWER CONTROL PANEL									

P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER
Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1528
	SHEET NUMBER 4



REMOVE JUMPERS & INSTALL  
LOCKOUT DEVICES IF REQUIRED

Revision Information		Drawing Title  EXTERNAL CONNECTIONS									
Date	2/03/03		REFERENCE DRAWING	NO.	Revision-Location		ECN	Date	By		
			S/N CP1376	Sales Engineer C.C.	Application Engineer	R.C. By CTR	Drawn Date	Approved By	Date		
Time	Project Title / Tag	DUPLEX BLOWER CONTROL PANEL					P.O. Box 77808 Baton Rouge, La. 70879 Ph. (225) 756-3271 Fax (225) 755-1030				PURCHASE ORDER NUMBER
											DRAWING NUMBER CP-1528
File Name											SHEET NUMBER 5

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	S1N015TL	CB1, CB2
4	2	ABB	A16-30-10-84	MOTOR STARTER
5	2	ABB	TA25DU4.0	OVERLOAD (2.8-4.0A)
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22P3M20B	HOA SWITCH
8	1	SQUARE D	9070TF150D1	CONTROL TRANSFORMER
9	1	C-H	CHSA03	LIGHTNING ARRESTER
10	1	GRASSLIN	FM/1 STUZH-L	TIMER
11	1	SSAC	PLMU11	PHASE MONITOR
12	1	OMRON	G2R2SAC120	PHASE RELAY
13	1	ABB	OHB65J5	DISC.HANDLE
14	1	ABB	OXP5X265	DISC. SHAFT
15				
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	Drawing Title						
	BILL OF MATERIALS						
DATE 2/03/03	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE	BY	
	Sales Engineer	Application Engineer R.C.					APPROVED BY DATE
	Project Title		COX Research and Technology, Inc.	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-1528		
					SHEET NUMBER 6		