

---

---

# COX

Research and Technology, Inc.

---

---

## 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

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	6.8	
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	Clock	(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	_____	
ELAPSED TIME METER	_____	
PHASE MONITOR	_____	
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  
 TAG : Blower Control Panel

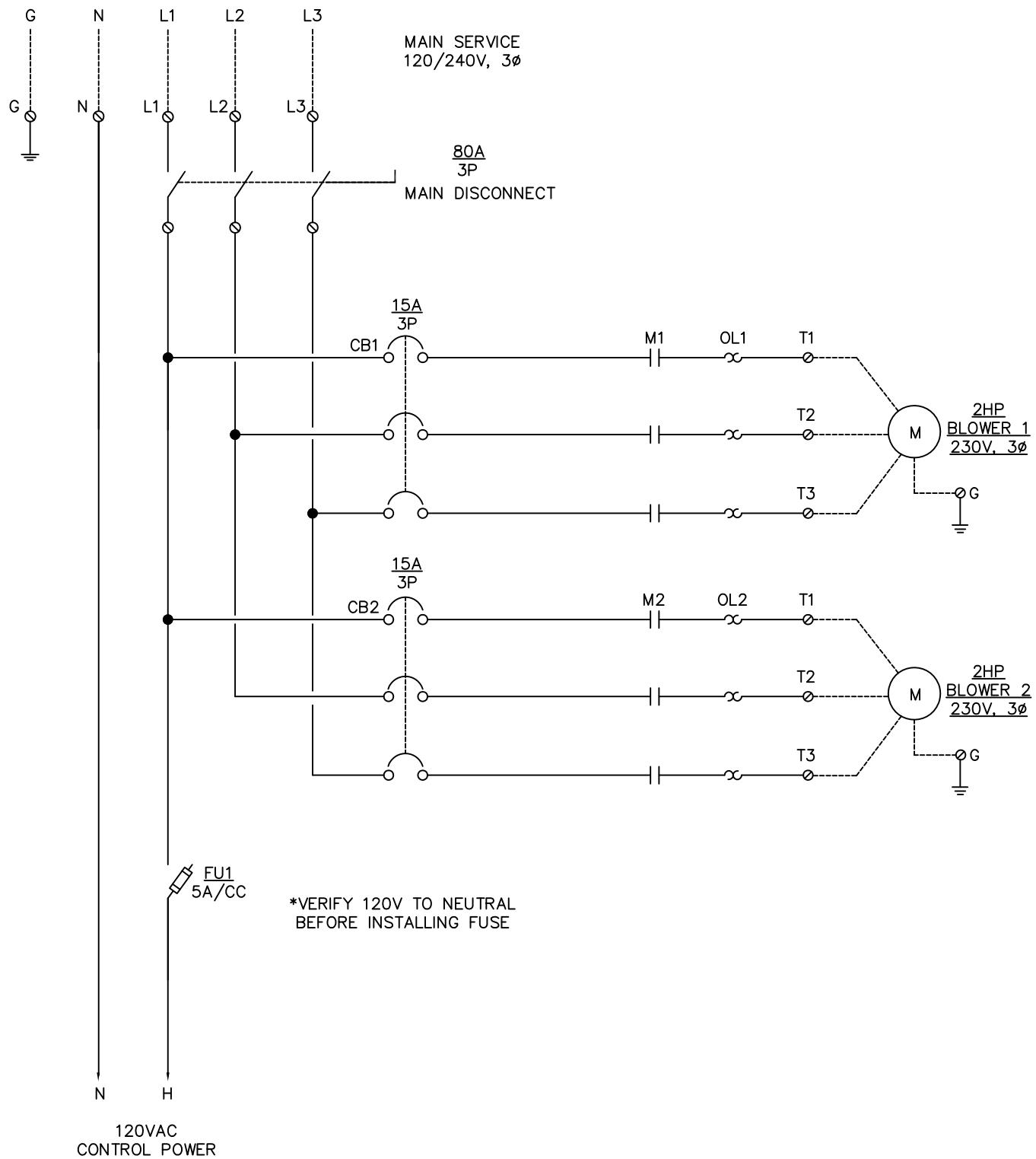
SHIP TO: Delta Process - Ruston, LA

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO. R.C.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer C.C.		Application Engineer R.C.	DRAWN BY CTR			
DATE 8/06/02	Project Title  DUPLEX BLOWER CONTROL PANEL								

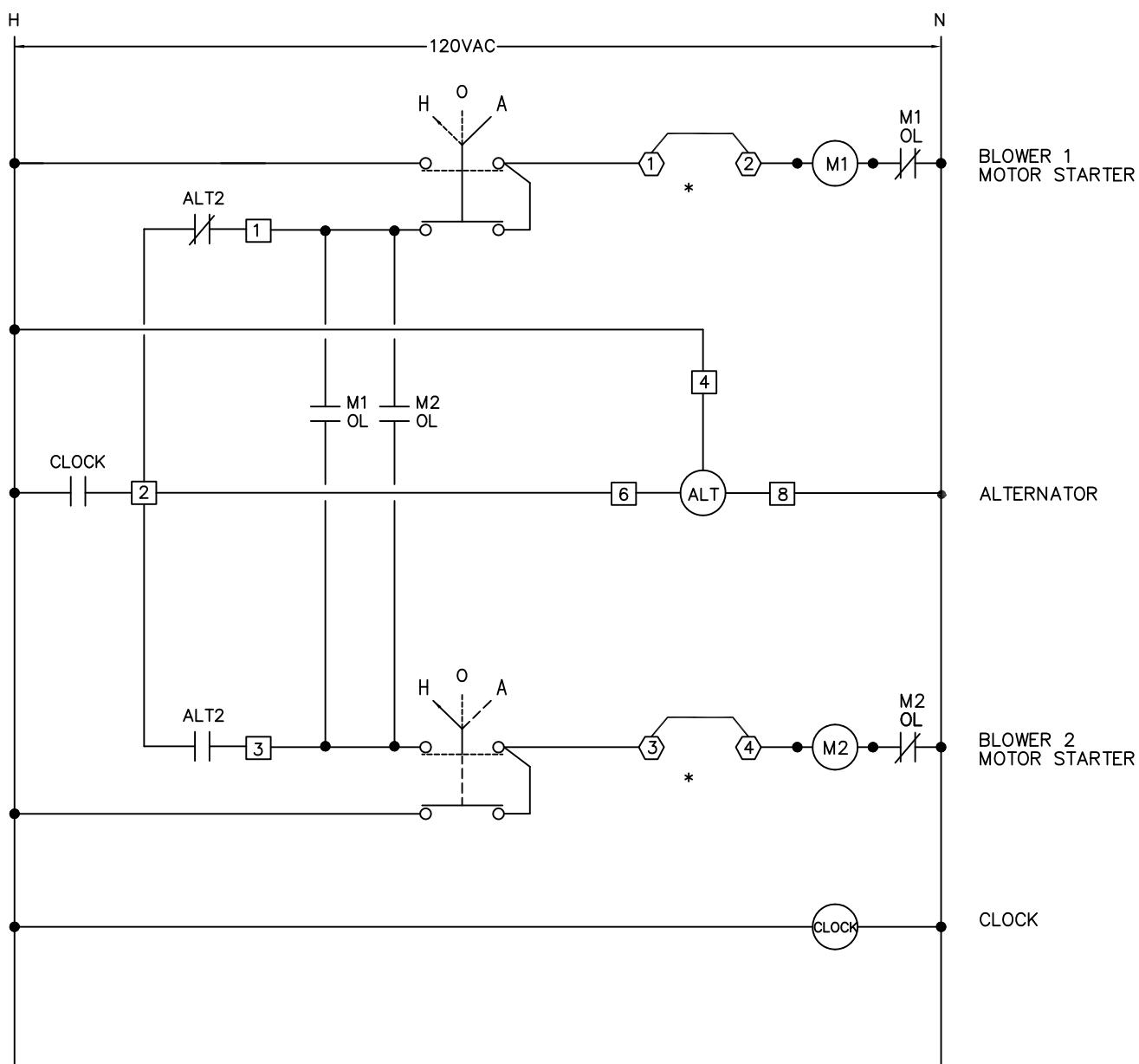
  
 Research and Technology, Inc.

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

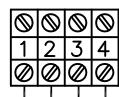
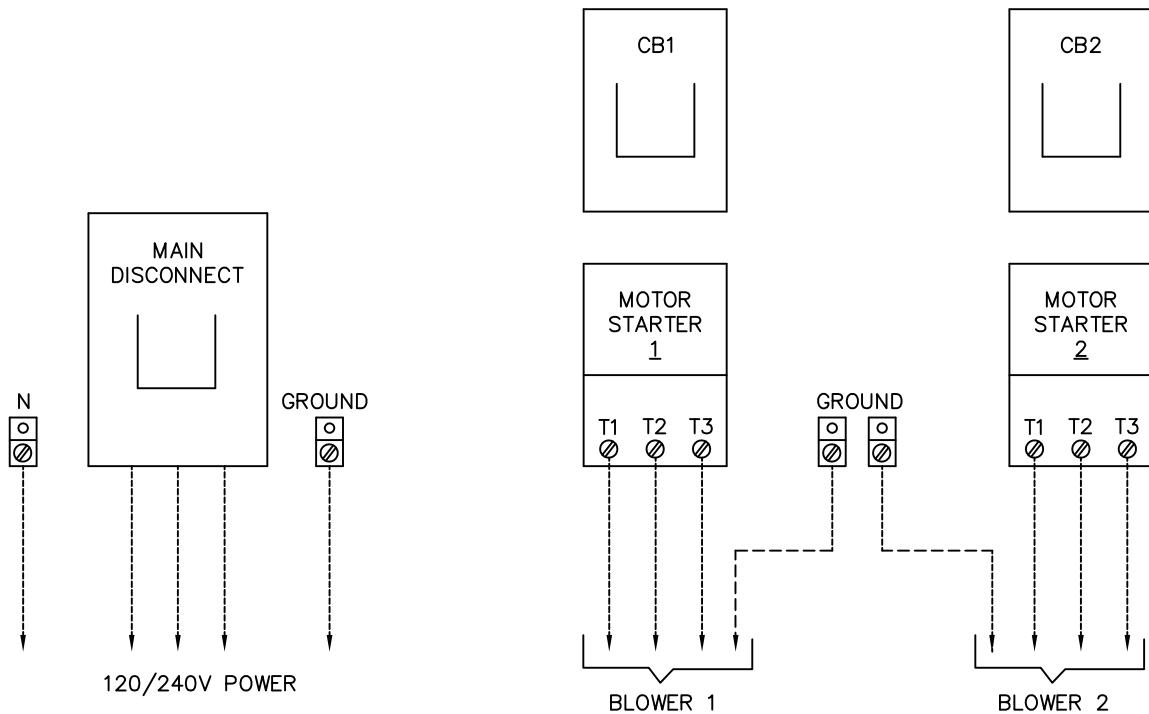
PURCHASE ORDER NUMBER
DRAWING NUMBER CP-1445
SHEET NUMBER 1



	Drawing Title  <b>POWER DIAGRAM</b>				
DATE 8/06/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE APPROVED BY DATE
Project Title  <b>DUPLEX BLOWER CONTROL PANEL</b>	<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-1445  SHEET NUMBER 2	



	Drawing Title  CONTROL DIAGRAM					
DATE 8/06/02	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	<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>			PURCHASE ORDER NUMBER	
					DRAWING NUMBER	CP-1445
					SHEET NUMBER	3

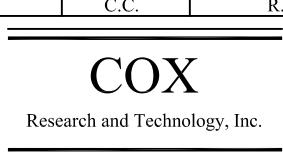


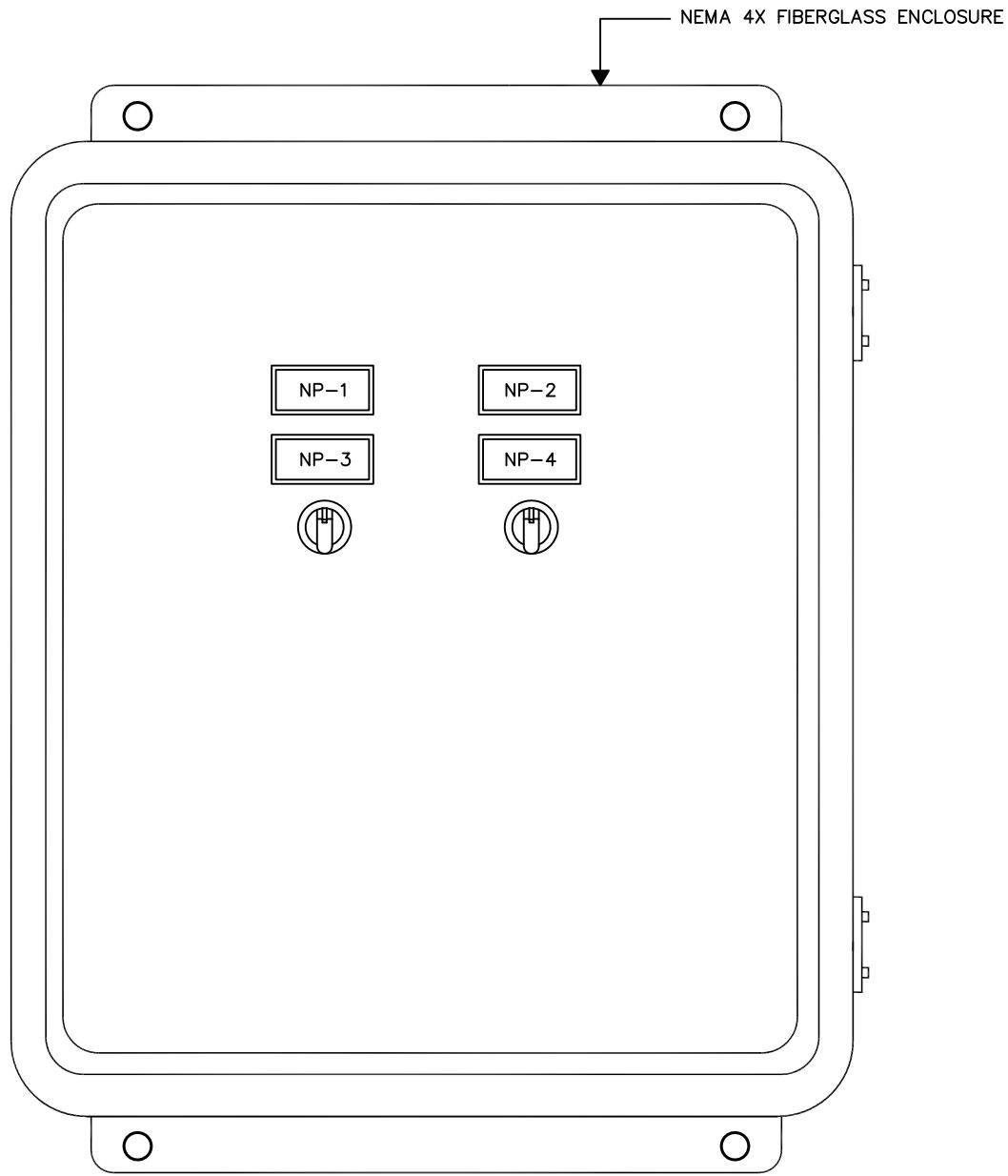
REMOVE JUMPERS & INSTALL  
LOCKOUT DEVICES IF REQUIRED

	Drawing Title						
	EXTERNAL CONNECTIONS						
DATE 8/06/02	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-1445		
					SHEET NUMBER 4		

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1614HWPL	ENCLOSURE
2	1	VYNCKIER	BP1614AL	BACKPLATE
3	2	ABB	A16-30-10-84	STARTER
4	2	ABB	TA25DU8.5	O.L. (6.0-8.5A)
5	2	SQUARE D	QOU315	CIRCUIT BREAKER 1,2
6	1	ABB	OT63E3	DISC. SWITCH
7	2	ACI	JR22P3M20B	H.O.A. SWITCH
8	1	TIMEMARK	261DT120	ALTERNATING RELAY
9	1	BUSSMAN	LP-CC-5	FUSE 5.0A
10	1	GRASSLIN	FM/1 STUZH-L	TIMER
11	1	MARATHON	6SC30A-1I	FUSE HOLDER

	Drawing Title								
	BILL OF MATERIALS								
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 8/06/02			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED		
				C.C.	R.C.	BY CTR	BY	DATE	
	Project Title		 <b>COX</b> Research and Technology, Inc. 			PURCHASE ORDER NUMBER  P.O. Box 77808 Baton Rouge, LA 70809  DRAWING NUMBER CP-1445  SHEET NUMBER 6			
	DUPLEX BLOWER CONTROL PANEL								



### VIEW OF FRONT DOOR

### 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

	Drawing Title  <b>ENCLOSURE</b>					
DATE 8/06/02	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY CTR	ECN	DATE	BY
	Sales Engineer	Application Engineer R.C.			APPROVED	
	Project Title  <b>DUPLEX BLOWER CONTROL PANEL</b>	<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	1445
					SHEET NUMBER	5