
COX

Research and Technology, Inc.

DUPLEX BLOWER CONTROL PANEL OLD RIVER

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	1/60	
NO. MOTORS	2	
HP	5	
FLA	28	
TYPE OF PUMP	Blower	
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		

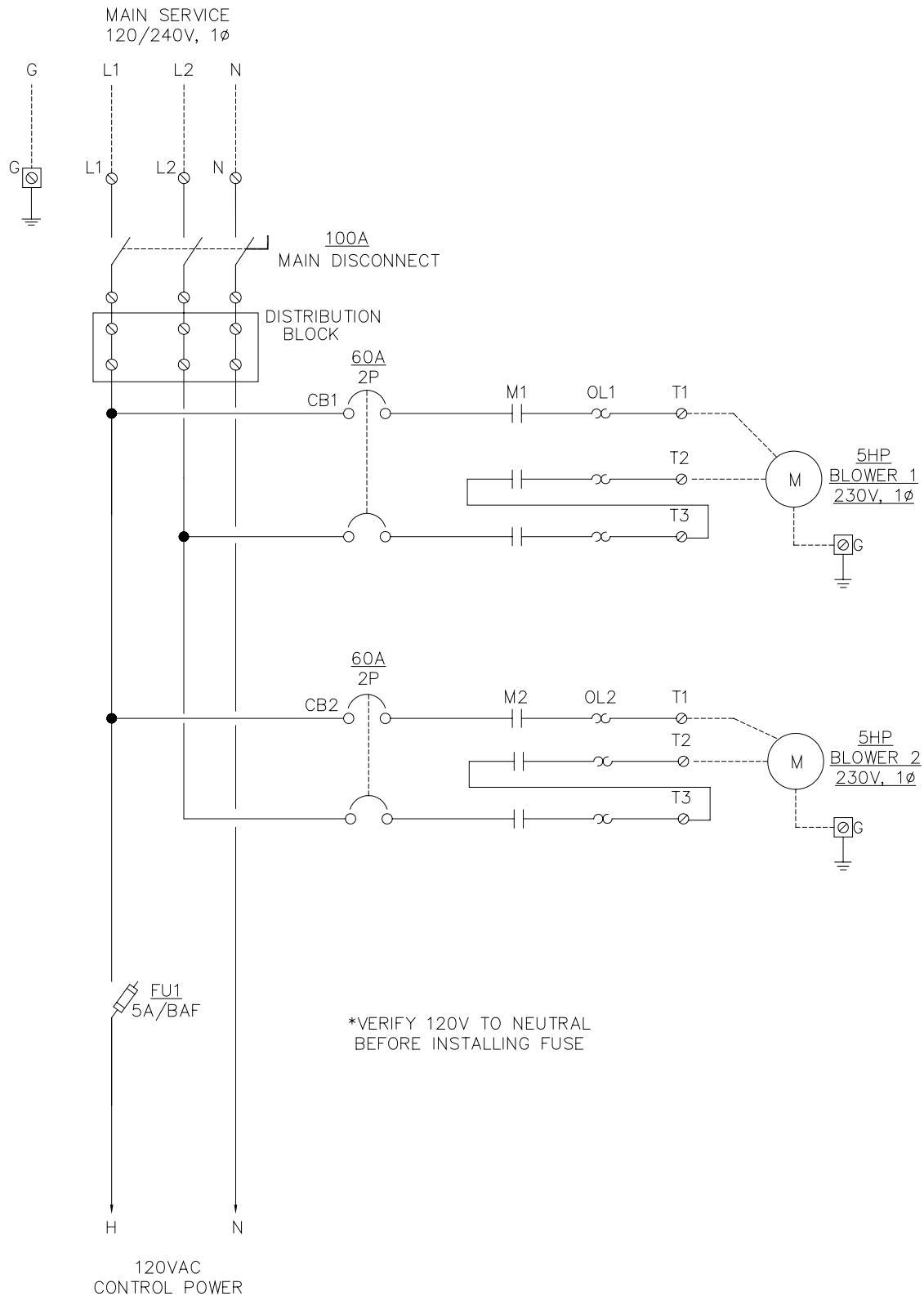
OPTIONS:

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		
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		

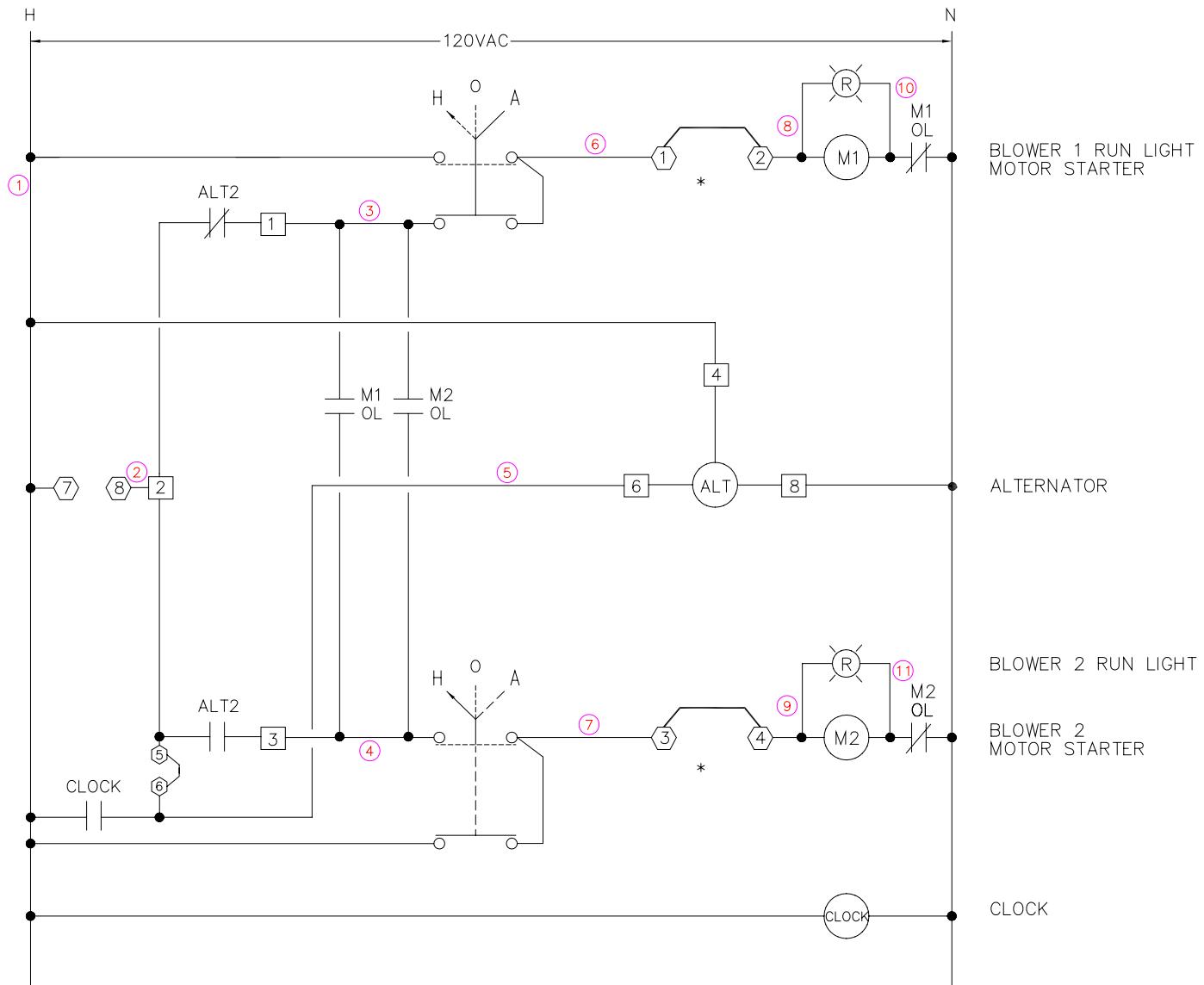
SOLD TO: Delta Process Equipment, Inc. - Bossier City, LA
TAG : Old River

SHIP TO: Delta Process Equipment, Inc. - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE 11/03/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY		
Project Title	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2196 SHEET NUMBER 1		
DUPLEX BLOWER CONTROL PANEL							



	Drawing Title					
	POWER DIAGRAM					
DATE 11/03/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE
	Project Title				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER
	DUPLEX BLOWER CONTROL PANEL	COX Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2196
						SHEET NUMBER 2



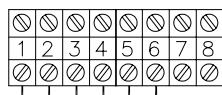
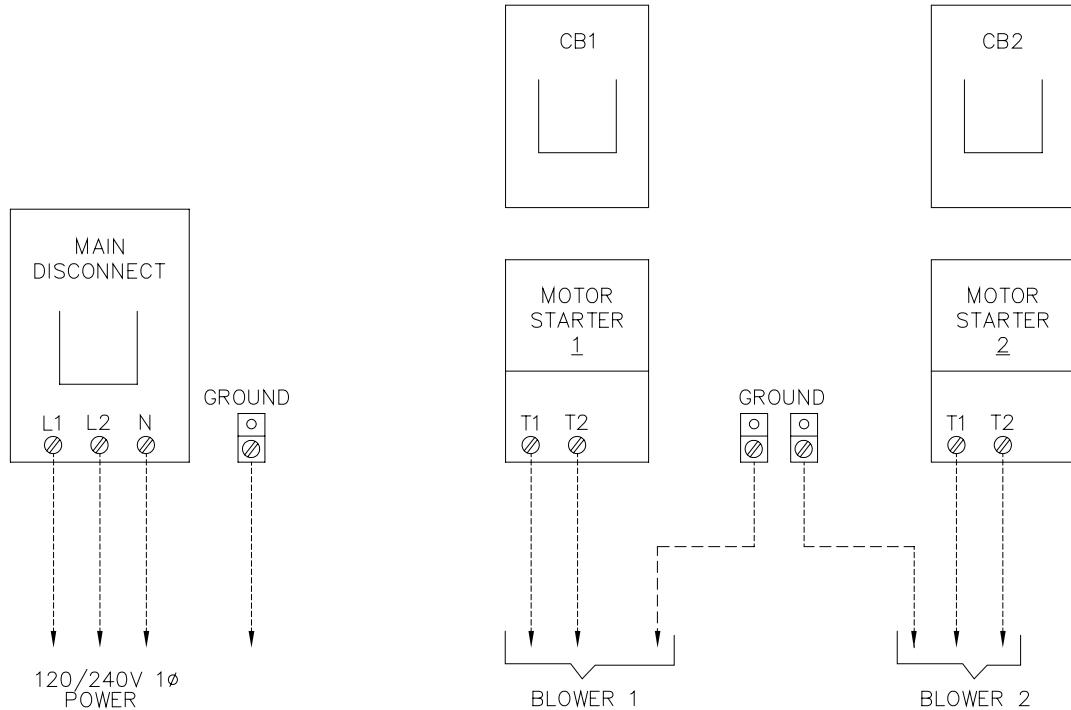
PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

IF NO OFF TIME IS REQUIRED BETWEEN ALTERNATION, REMOVE JUMPER FROM TERMINALS ⑤ AND ⑥. PLACE JUMPER ACROSS TERMINALS ⑦ AND ⑧. NOW AERATORS WILL RUN CONTINUOUSLY. SET 1 PIN IN AT THE TIME YOU WISH THE AERATORS TO ALTERNATE.

ALL REMAINING PINS SHOULD BE PUSHED OUT.

* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

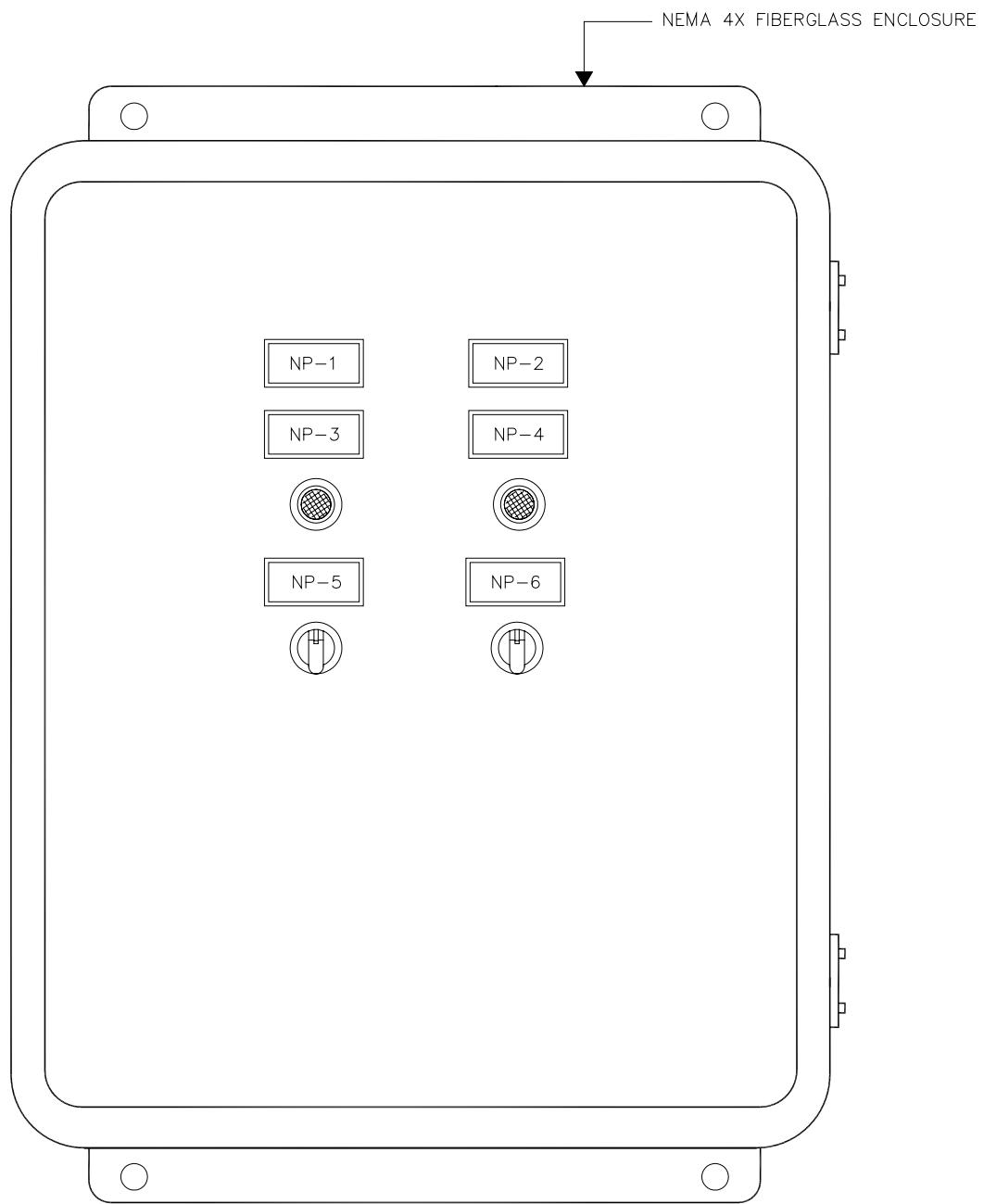
	Drawing Title CONTROL DIAGRAM				
DATE 11/03/5	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE
Project Title DUPLEX BLOWER CONTROL PANEL	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2196 SHEET NUMBER 3



REMOVE JUMPERS & INSTALL
LOCKOUT DEVICES IF REQUIRED

IF NO OFF TIME IS REQUIRED BETWEEN
ALTERNATION, REMOVE JUMPER FROM
TERMINALS ⑤ AND ⑥. PLACE JUMPER ACROSS
TERMINALS ⑦ AND ⑧. NOW AERATORS WILL RUN
CONTINUOUSLY. SET 1 PIN IN AT THE TIME YOU
WISH THE AERATORS TO ALTERNATE.
ALL REMAINING PINS SHOULD BE PUSHED OUT.

	Drawing Title					
	EXTERNAL CONNECTIONS					
DATE 11/03/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY DATE
Project Title DUPLEX BLOWER CONTROL PANEL	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2196 SHEET NUMBER 4	



VIEW OF FRONT OF ENCLOSURE

NAMEPLATE SCHEDULE

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

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 11/03/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY
	Project Title	<u>COX</u> Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2196 SHEET NUMBER	
	DUPLEX BLOWER CONTROL PANEL						5

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPL	ENCLOSURE
2	1	STAHLIN	BP1816AL	BACKPLATE
3	2	ABB	A30-30-10-84	STARTER
4	2	ABB	TA25DU32	O.L. (24-32A)
5	2	SQUARE D	QOU260	CIRCUIT BREAKER 1,2
6	1	ABB	OT100E3	DISC. SWITCH
7	2	ACI	JR22P3M20B	H.O.A. SWITCH
8	2	ACI	JR22FR	RED PILOT LIGHTS
9	1	TIMEMARK	261DT120	ALTERNATING RELAY
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	1	GRASSLIN	FM/1 STUZH-L	TIMER
12				

	Drawing Title					
	BILL OF MATERIALS					
DATE 11/03/05			REFERENCE DRAWING S/N	DRAWING NO. C.C.	REVISION-LOCATION DRAWN R.C.	ECN BY C. RACHAL
	Project Title	 COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2196 SHEET NUMBER 6	
	DUPLEX BLOWER CONTROL PANEL					