
COX

Research and Technology, Inc.

COASTAL PROPERTIES
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-1984

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2, 5	
HP	15, 5	
FLA	42, 15.2	
TYPE OF PUMP	Blower, Mixers	(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:

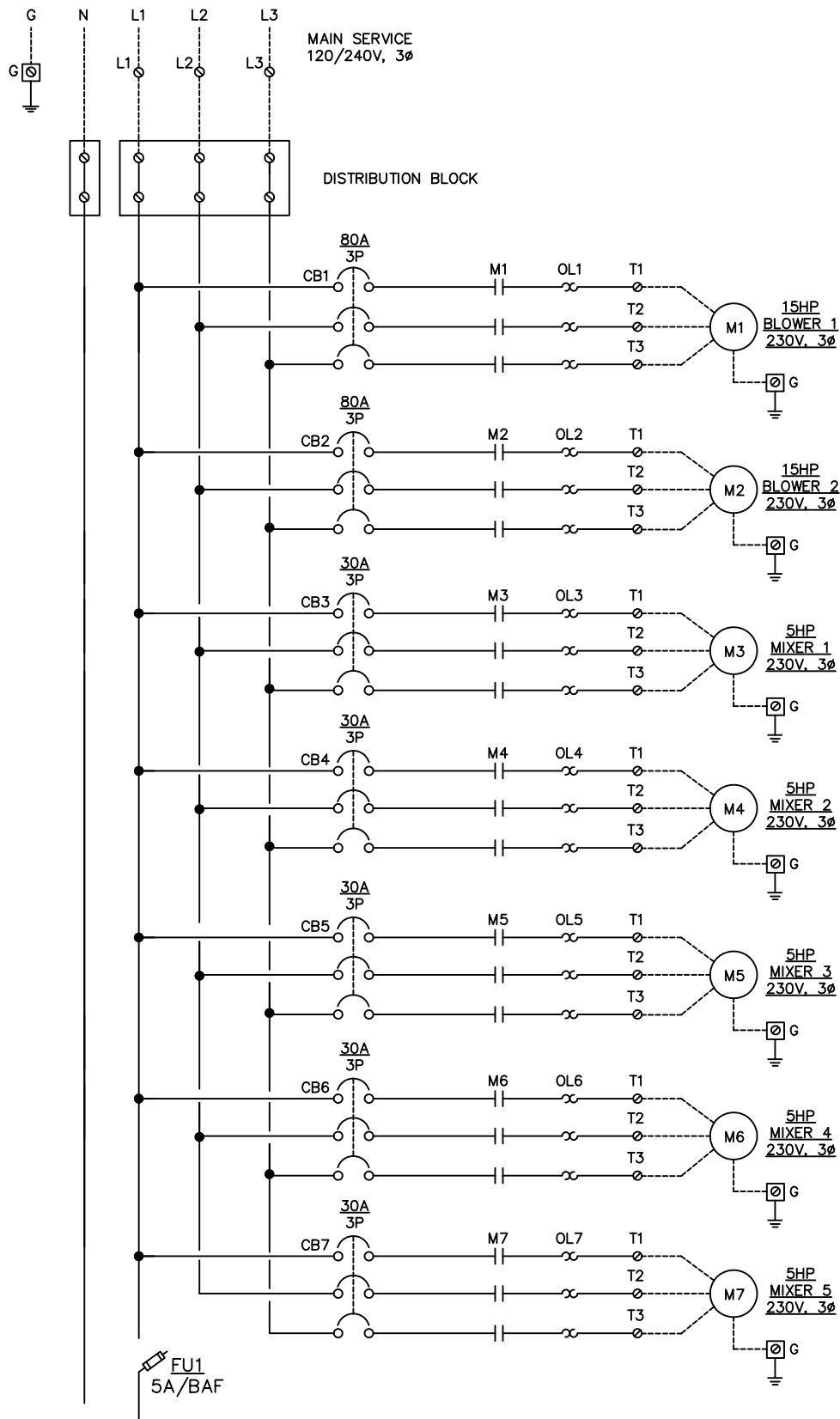
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECPT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION	X	

SOLD TO: Delta Process - Ruston, LA

TAG : Blower Control Panel

SHIP TO: Delta Process - Ruston, LA

	Drawing Title							
	PANEL DESCRIPTION							
DATE 1/24/05			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;">  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)755-1030		DRAWING NUMBER CP-1984	
							SHEET NUMBER 1	



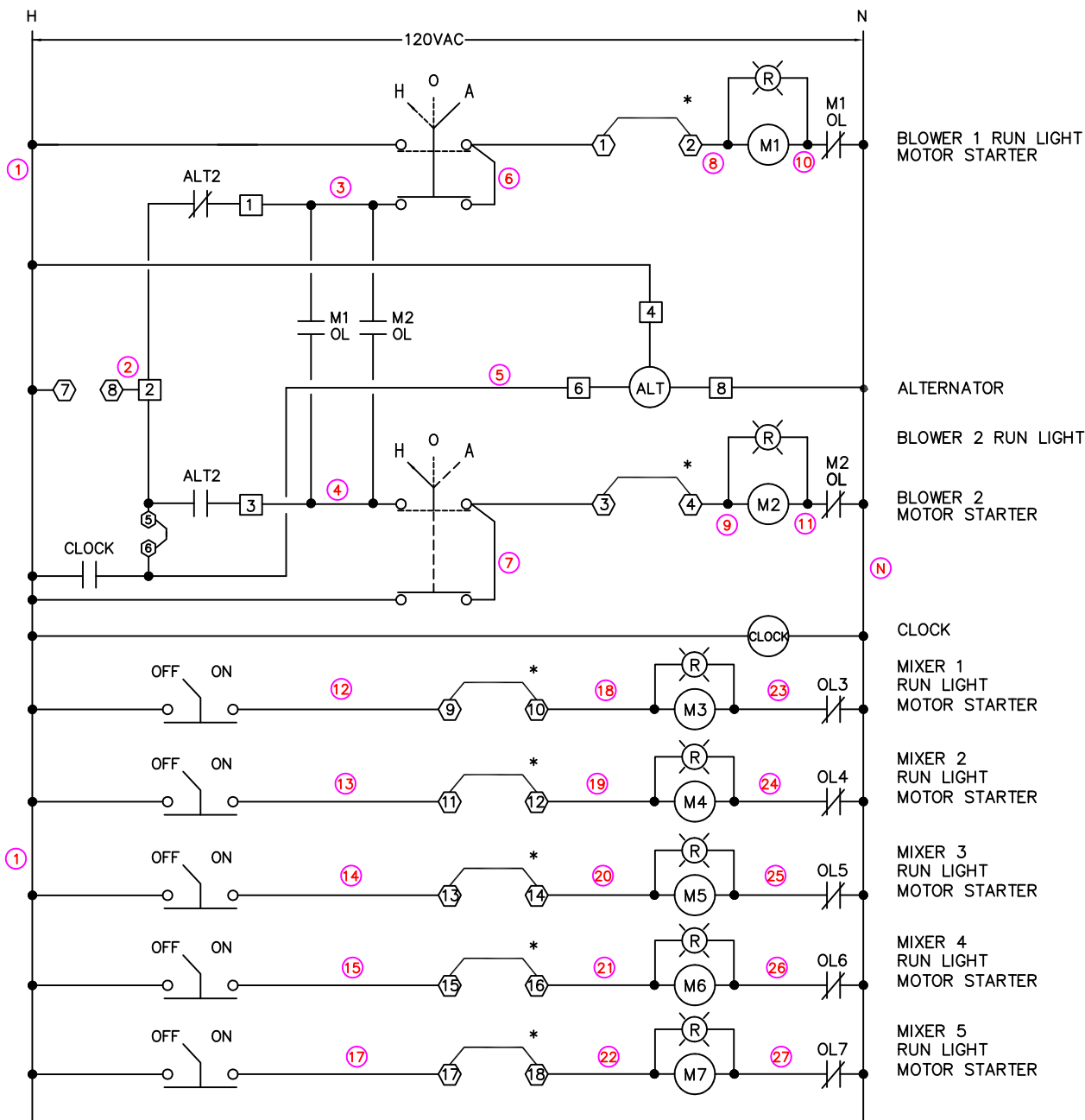
	Drawing Title								
	POWER DIAGRAM								
DATE 1/24/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	APPROVED	
	Project Title			BY C. RACHAL					PURCHASE ORDER NUMBER
	DUPLEX BLOWER CONTROL PANEL								DRAWING NUMBER CP-1984
									SHEET NUMBER 2

COX

Research and Technology, Inc.

P.O. Box 77808
Baton Rouge, LA
70809

Ph. (225)756-3271
Fax (225)755-1030



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

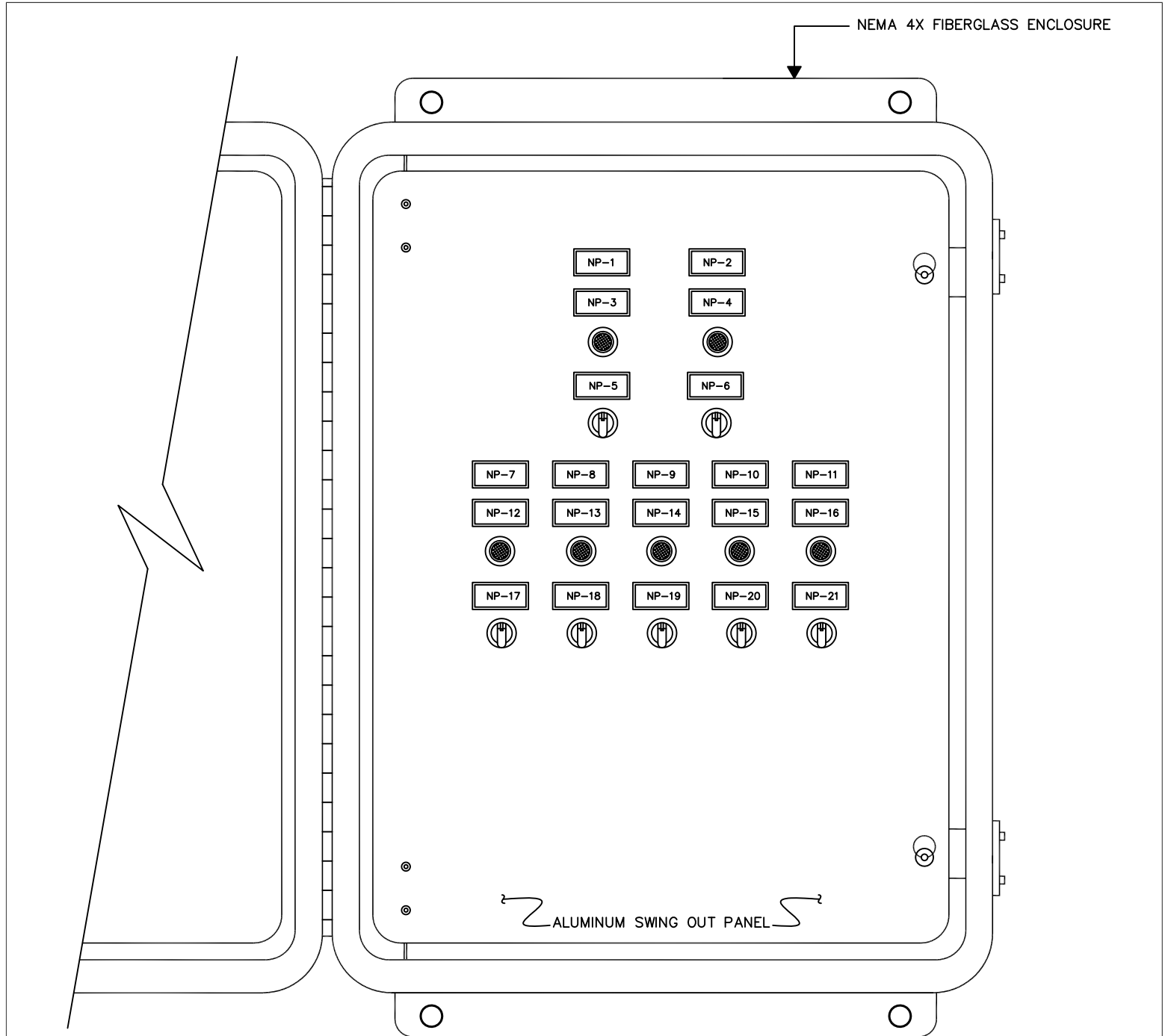
	Drawing Title								
	CONTROL DIAGRAM								
DATE	1/24/05	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	APPROVED	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL				
	Project Title							PURCHASE ORDER NUMBER	
	DUPLEX BLOWER CONTROL PANEL							DRAWING NUMBER CP-1984	
								SHEET NUMBER	3

COX

Research and Technology, Inc.

P.O. Box 77808
Baton Rouge, LA
70809

Ph. (225)756-3271
Fax (225)755-1030



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	BLOWER 1	NP-7	MIXER 1	NP-13	RUN	NP-19	OFF-ON
NP-2	BLOWER 2	NP-8	MIXER 2	NP-14	RUN	NP-20	OFF-ON
NP-3	RUN	NP-9	MIXER 3	NP-15	RUN	NP-21	OFF-ON
NP-4	RUN	NP-10	MIXER 4	NP-16	RUN		
NP-5	HOA	NP-11	MIXER 5	NP-17	OFF-ON		
NP-6	HOA	NP-12	RUN	NP-18	OFF-ON		

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		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 1/24/05			S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED	
Project Title	DUPLEX BLOWER CONTROL PANEL		COX			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
			Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-1984	
							SHEET NUMBER 4	

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM30240RL/DF	ENCLOSURE
2	1	ALLIED	A3024P	BACKPLATE
3	5	ABB	A16-30-10-84	STARTER 3-7
4	5	ABB	TA25DU19	O.L. (13-19A) 3-7
5	5	SQUARE D	QOU330	CIRCUIT BREAKER 3-7
6	2	ACI	JR22P3M20B	H.O.A. SWITCH
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	1	GRASSLIN	FM/1 STUZH-L	TIMER
9	7	ACI	JR22FR	RED PILOT LIGHT
10	2	ABB	A50-30-11-84	STARTER 1,2
11	2	ABB	TA75DU52	OL 1,2 (36-52A)
12	2	SQUARE D	QOU380	CIRCUIT BREAKER 1,2
13	5	ACI	JR22PSM11B	OFF-ON SWITCH
14	2	BUSSMANN	16376-3	DISTRIBUTION BLOCK
15	2	BUSSMANN	16376-1	NEUTRAL BLOCK
16				

	Drawing Title						
	BILL OF MATERIALS						
DATE 1/24/05		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;"> COX <small>Research and Technology, Inc.</small> </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP-1984</div> SHEET NUMBER <div style="text-align: right;">5</div>
	DUPLEX BLOWER CONTROL PANEL						