

## ENVIRONMENTAL CONSTRUCTION CORP.

CWS, DIV.

### DUPLEX BLOWER CONTROL PANEL

Environmental Construction Corp.  
P.O. Box 396  
Pass Christian, MS 39571  
(228) 255-5353 Fax (228) 255-6095

VOLTAGE	480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	60	
FLA	77	
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		

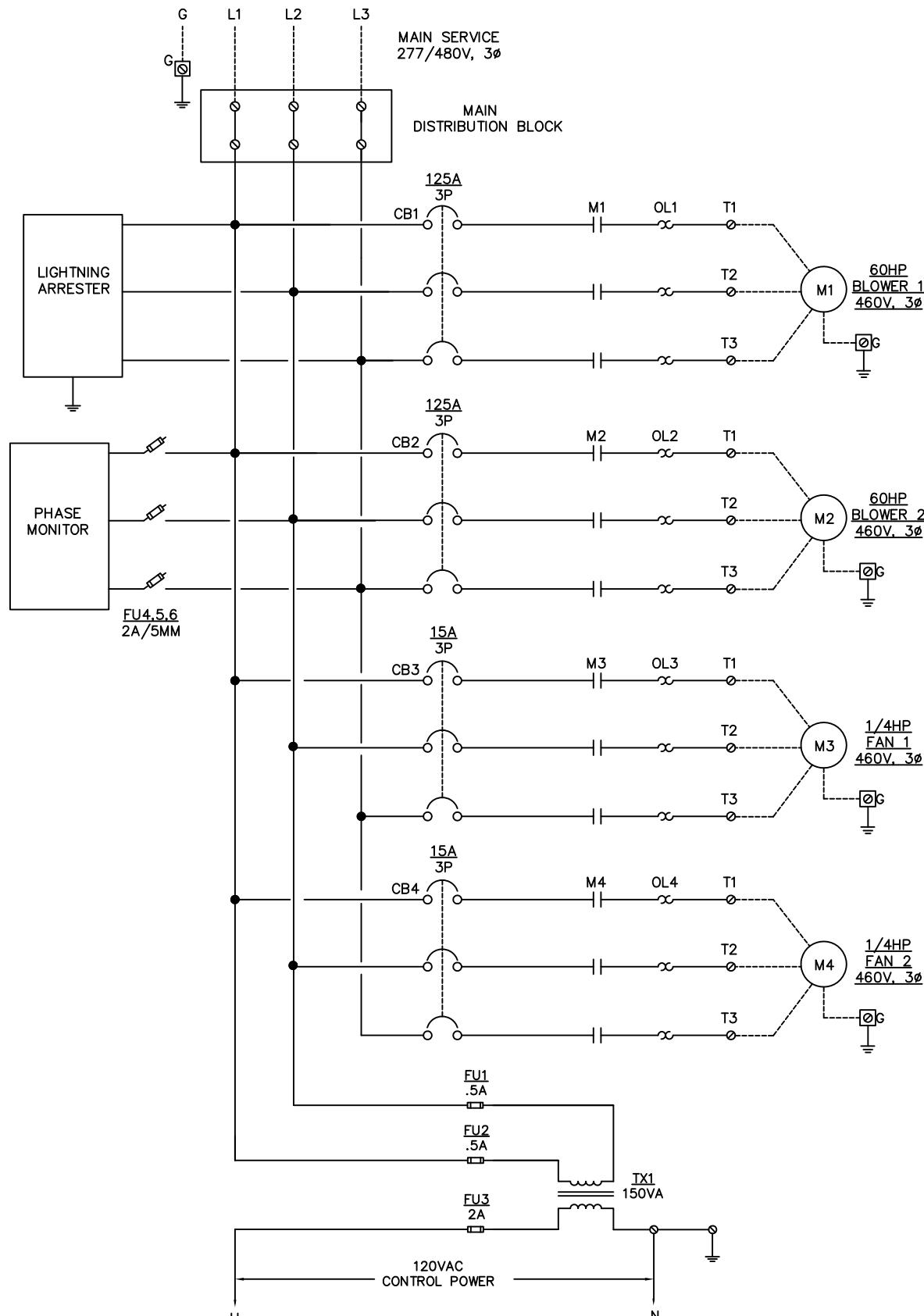
OPTIONS:

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	X	
LIGHTNING ARRESTER		
ELAPSED TIME METER	X	
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	

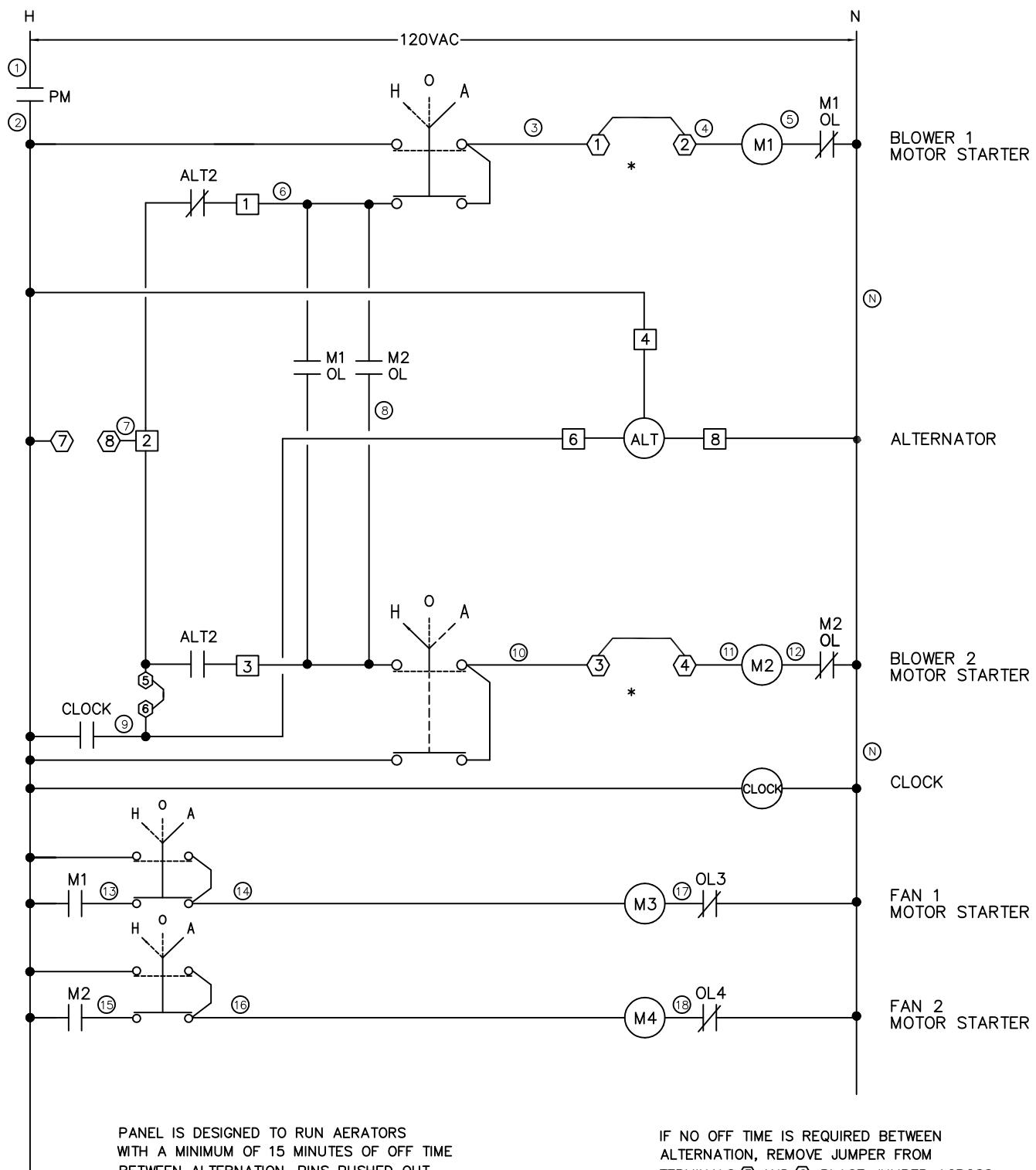
SOLD TO: Environmental Construction Corp.  
 TAG : Blower Control Panel

SHIP TO: ECC  
 Pass Christian, MS

	Drawing Title	PANEL DESCRIPTION						PURCHASE ORDER NUMBER
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
DATE	S/N		Sales Engineer	Application Engineer	DRAWN	APPROVED		
2/23/05	C.C.		R.C.	BY C. RACHAL	BY	DATE		
	Project Title						DRAWING NUMBER	
	Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095						CP-2000	
							SHEET NUMBER	
							1	



	Drawing Title  <b>POWER DIAGRAM</b>					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE
DATE 2/23/05	Project Title  <b>DUPLEX BLOWER CONTROL PANEL</b>	Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095		PURCHASE ORDER NUMBER		
				DRAWING NUMBER CP-2000		
				SHEET NUMBER 2		

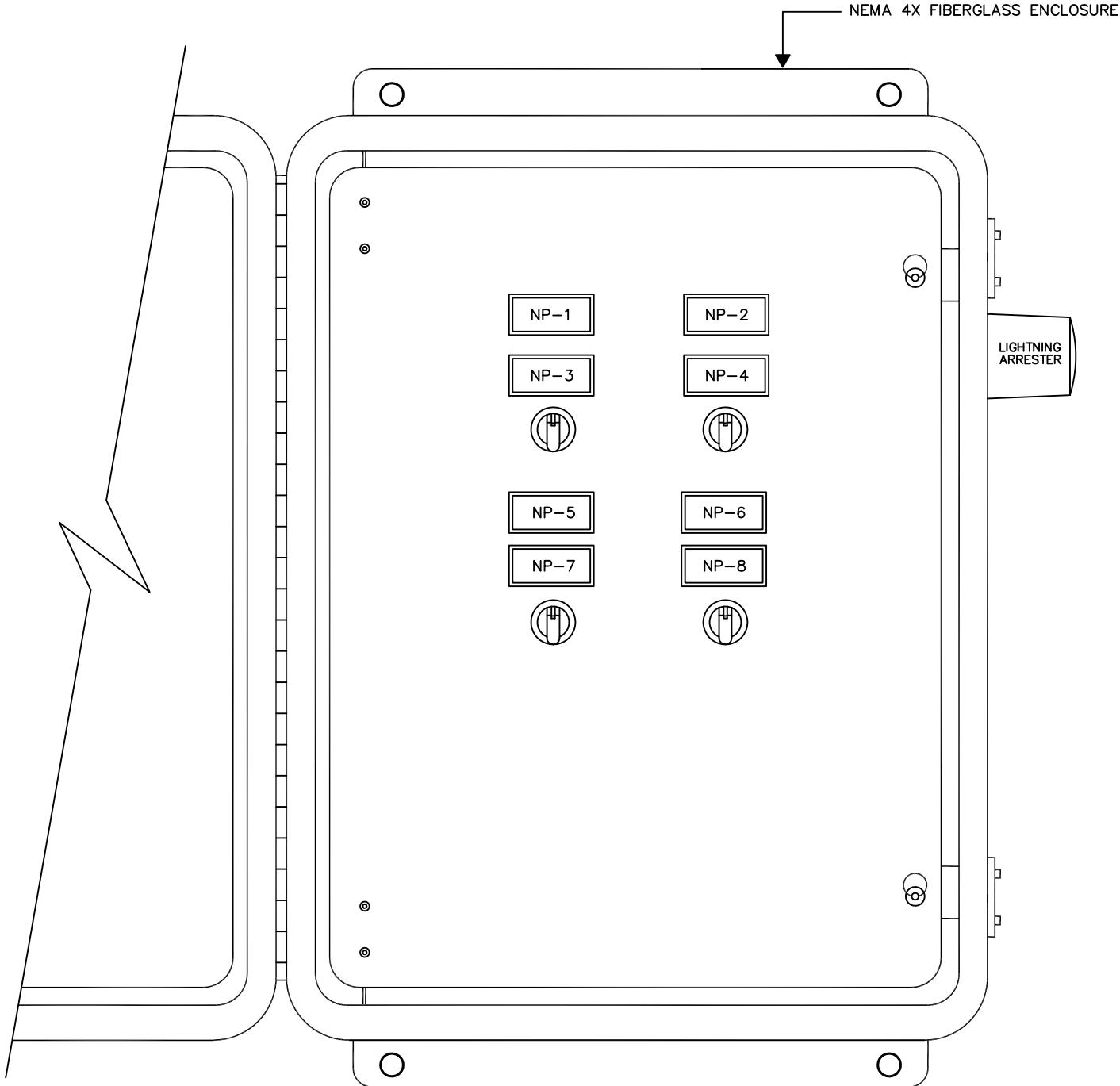


PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

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 2/23/05	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE		
	Project Title			Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095			PURCHASE ORDER NUMBER	
							DRAWING NUMBER CP-2000	
							SHEET NUMBER 3	



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	BLOWER 1
NP-2	BLOWER 2
NP-3	HOA
NP-4	HOA
NP-5	FAN 1
NP-6	FAN 2
NP-7	HOA
NP-8	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	REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	BY	DATE
DATE 2/23/05	Project Title  DUPLEX BLOWER CONTROL PANEL			C.C.	R.C.	BY C. RACHAL	BY	DATE
Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095						PURCHASE ORDER NUMBER		
						DRAWING NUMBER CP-2000		
						SHEET NUMBER 4		

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM30240RLDF	ENCLOSURE
2	1	ALLIED	A3024P	BACKPLATE
3	2	ABB	A75-30-11-84	STARTER
4	2	ABB	TA75DU80	O.L. (60-80A)
5	2	ABB	S3N125TW	CIRCUIT BREAKER 1,2
6	4	ACI	JR22P3M20B	H.O.A. SWITCH
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	1	GRASSLIN	FM/1 STUZH-L	TIMER
9	1	ABB	T4150PSF1	TRANSFORMER
10	1	SSAC	PLMU-11	PHASE MONITOR
11	1	DELTA	LA603	LIGHTNING ARRESTER
12	1	BUSS	16371-3	DISTRIBUTION BLOCK
13	2	ABB	S1N015TL	CIRCUIT BREAKER 3,4
14	2	ABB	A16-30-10-84	MS 3,4
15	2	ABB	TA25DU0.63	O.L.3,4
16				

	Drawing Title									
	BILL OF MATERIALS									
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE	BY	
DATE 2/23/05			S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED			
				C.C.	R.C.	BY C. RACHAL	BY	DATE		
	Project Title		Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095				PURCHASE ORDER NUMBER			
	DUPLEX BLOWER CONTROL PANEL						DRAWING NUMBER		CP-2000	
							SHEET NUMBER		5	