

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	25	
FLA	34	
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		

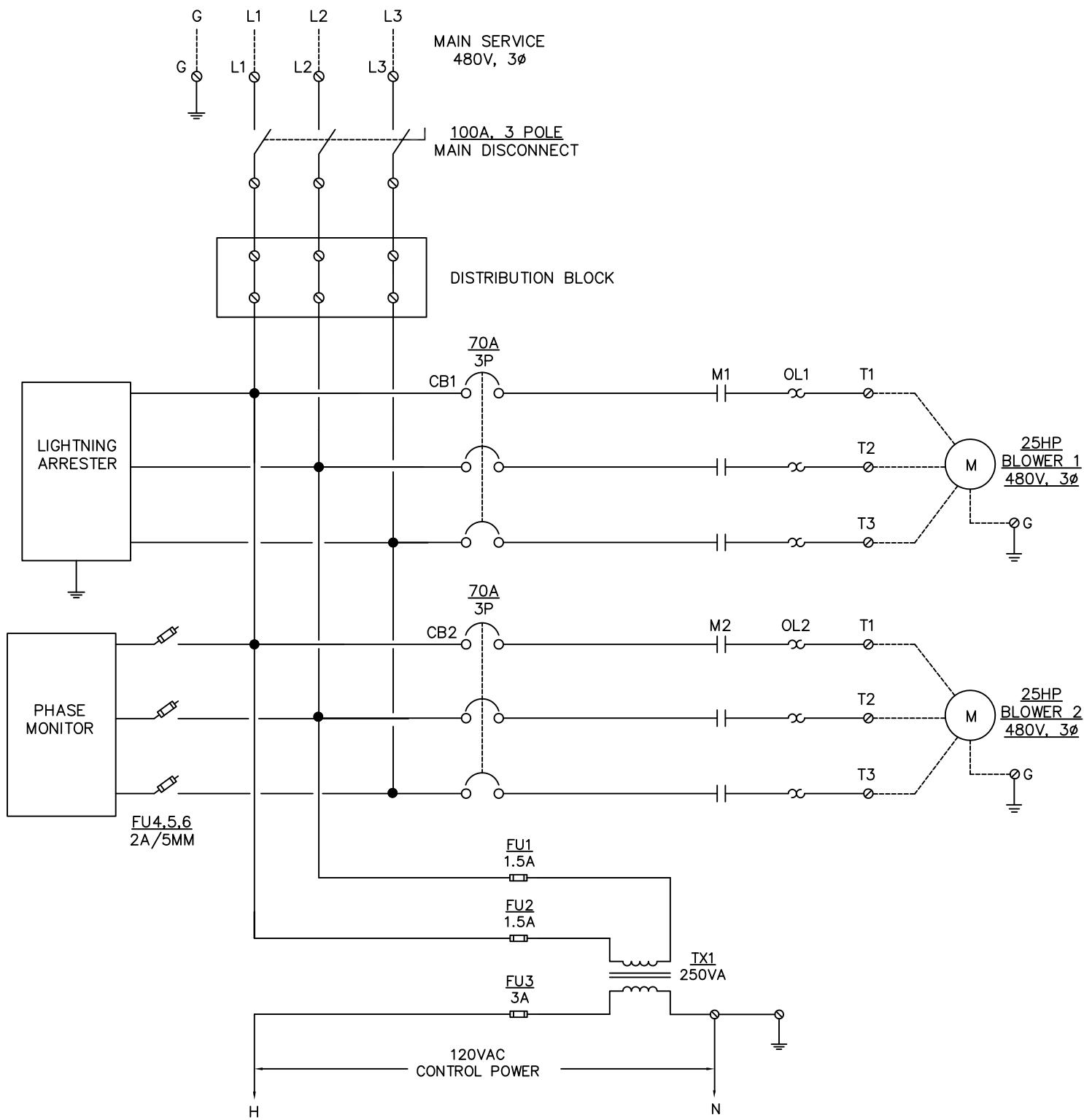
OPTIONS:

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	_____	
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	_____	

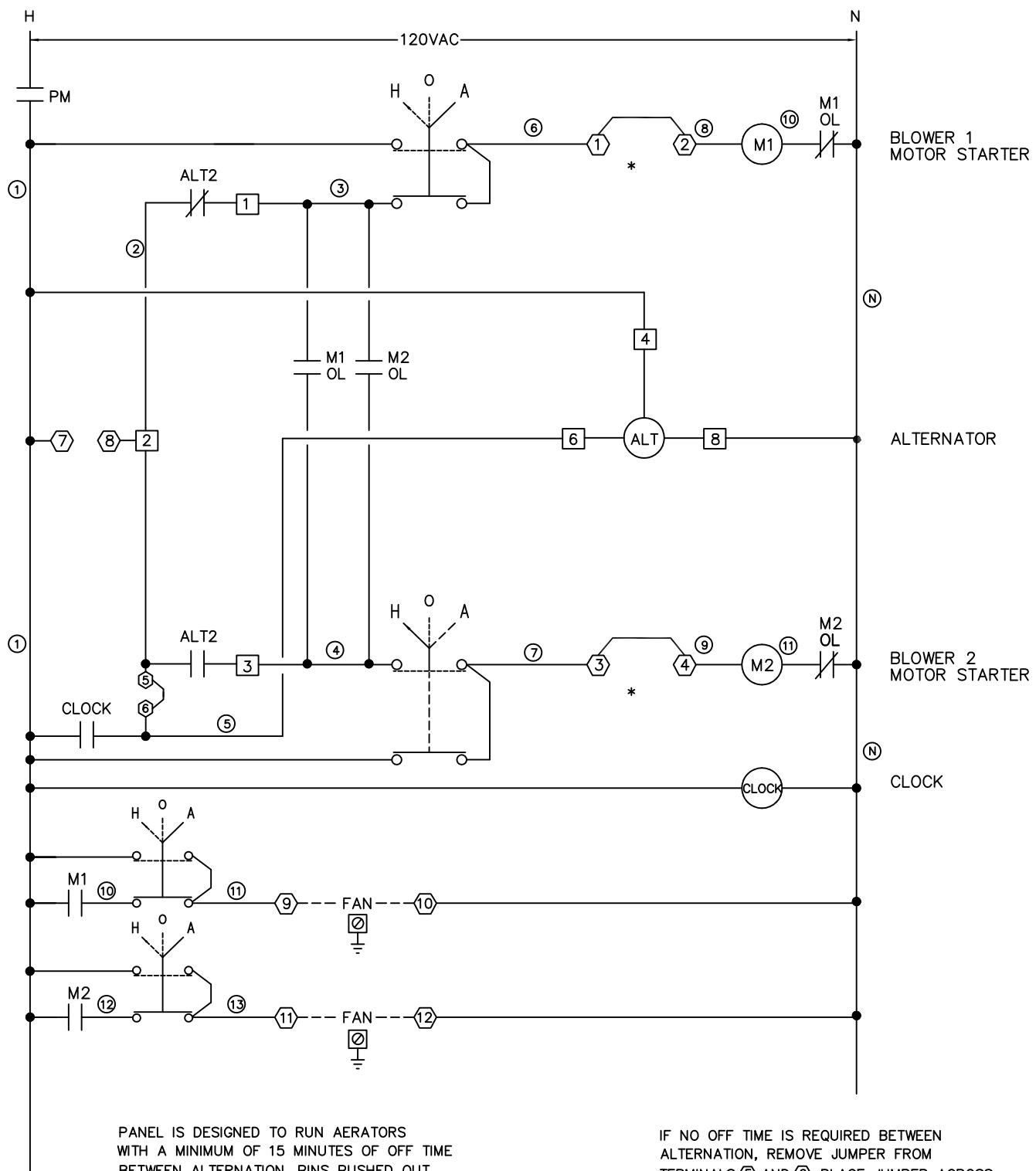
SOLD TO: Environmental Construction Corp.  
TAG : Blower Control Panel

SHIP TO: ECC  
Pass Christian, MS

DATE 2/26/04	Drawing Title  <b>PANEL DESCRIPTION</b>	REFERENCE DRAWING						ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	NO.	REVISION-LOCATION	DRAWN			
	Project Title  <b>DUPLEX BLOWER CONTROL PANEL</b>							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 SHEET NUMBER			
							CP-1758 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 2/26/04	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-1758		
				SHEET NUMBER 2		

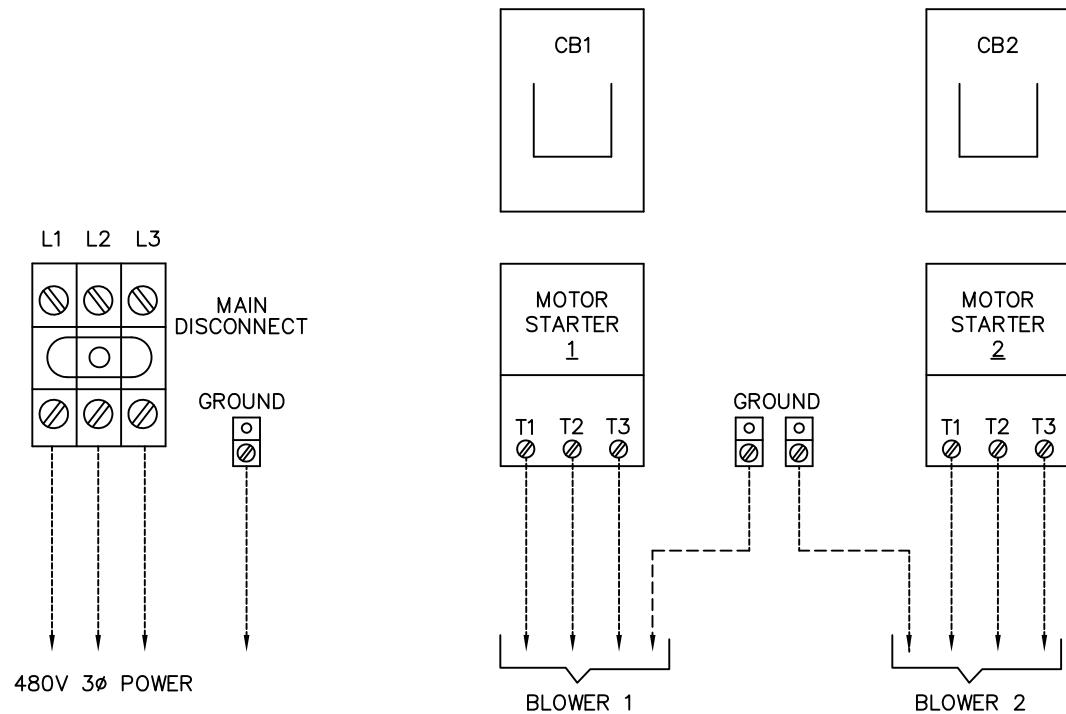


PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

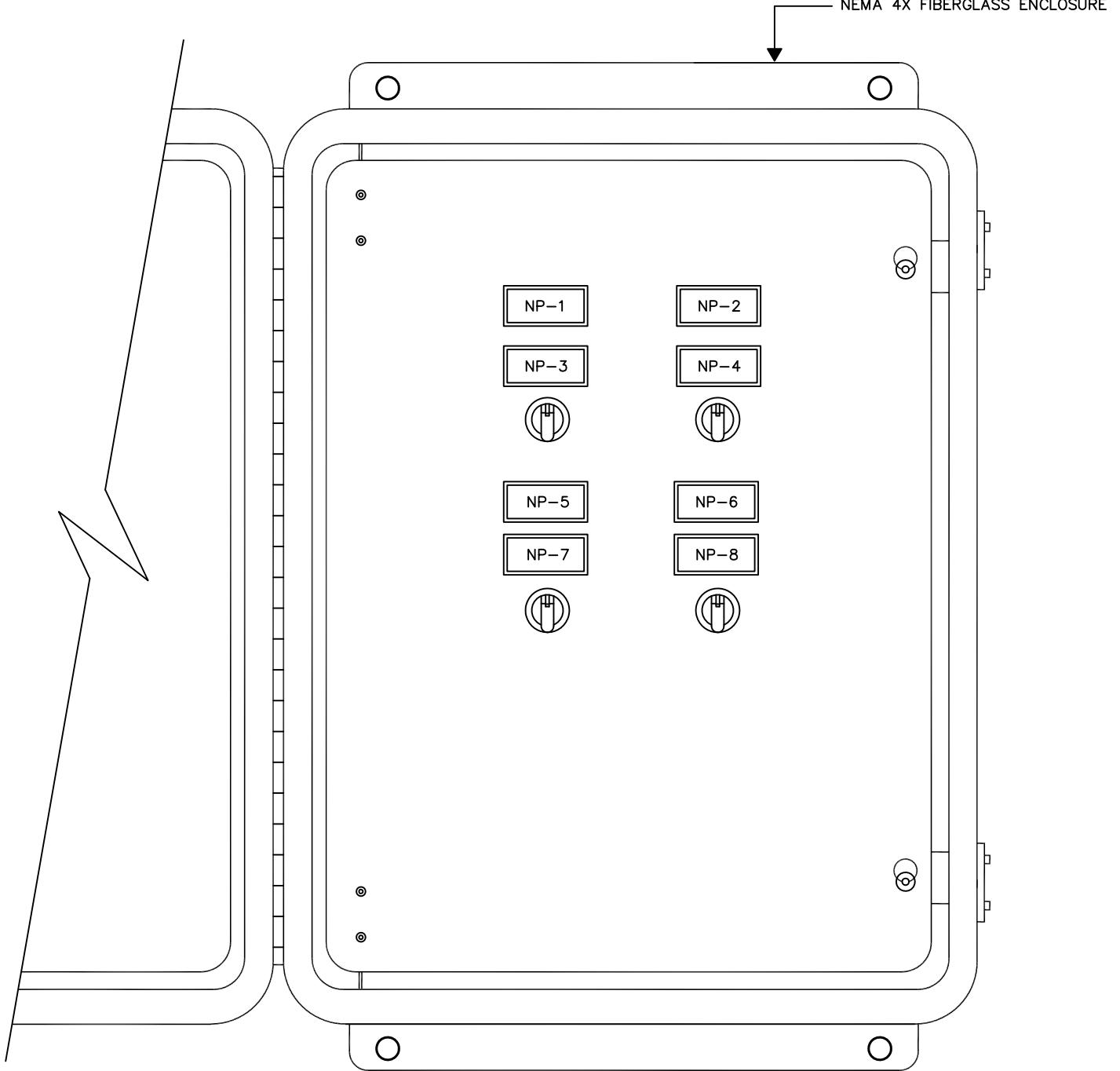
IF NO OFF TIME IS REQUIRED BETWEEN ALTERNATION, REMOVE JUMPER FROM TERMINALS ⑤ AND ⑥. PLACE JUMPER ACROSS TERMINALS ⑦ AND ⑧. NOW AERATORS WILL RUN CONTINUOUSLY. SET 1 PIN IN AT THE TIME YOU WISH THE AERATORS TO ALTERNATE. ALL REMAINING PINS SHOULD BE PUSHED OUT.

REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title					
	CONTROL DIAGRAM					
DATE 2/26/04	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	Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095				PURCHASE ORDER NUMBER
						DRAWING NUMBER CP-1758
						SHEET NUMBER 3



	Drawing Title  <b>EXTERNAL CONNECTIONS</b>					
DATE 2/26/04	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  <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-1758
					SHEET NUMBER	4



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	BLOWER 1
NP-2	BLOWER 2
NP-3	HOA
NP-4	HOA
NP-5	FAN
NP-6	FAN
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  <b>ENCLOSURE</b>					
		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
DATE 2/26/04		Sales Engineer	Application Engineer R.C.			
	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-1758	
					SHEET NUMBER 5	

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1816HWPLDF	ENCLOSURE
2	1	VYNCKIER	MP1816A	BACKPLATE
3	2	ABB	A40-30-10-84	STARTER
4	2	ABB	TA42DU42	O.L. (29-42A)
5	2	ABB	S1N070TL	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	SQUARE D	9070TF250D1	TRANSFORMER
10	1	ABB	OT100E3	DISCONNECT SWITCH
11	1	SSAC	PLMU-11	PHASE MONITOR
12	1	DELTA	LA603	LIGHTNING ARRESTER
13	1	MARATHON	1323580	DISTRIBUTION BLOCK

	Drawing Title						
	BILL OF MATERIALS						
DATE 2/26/04	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY
	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-1758	
						SHEET NUMBER 6	