

ENVIRONMENTAL CONSTRUCTION CORP.

CWS, DIV.

JAMAICA
DUPLEX BLOWER
CONTROL PANEL

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

CP-1866

VOLTAGE	440V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/50	
NO. MOTORS	2	
HP	3	
FLA	3.9A	
TYPE OF PUMP	Blower	(Self-Priming, Submersible)
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	110V	(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		

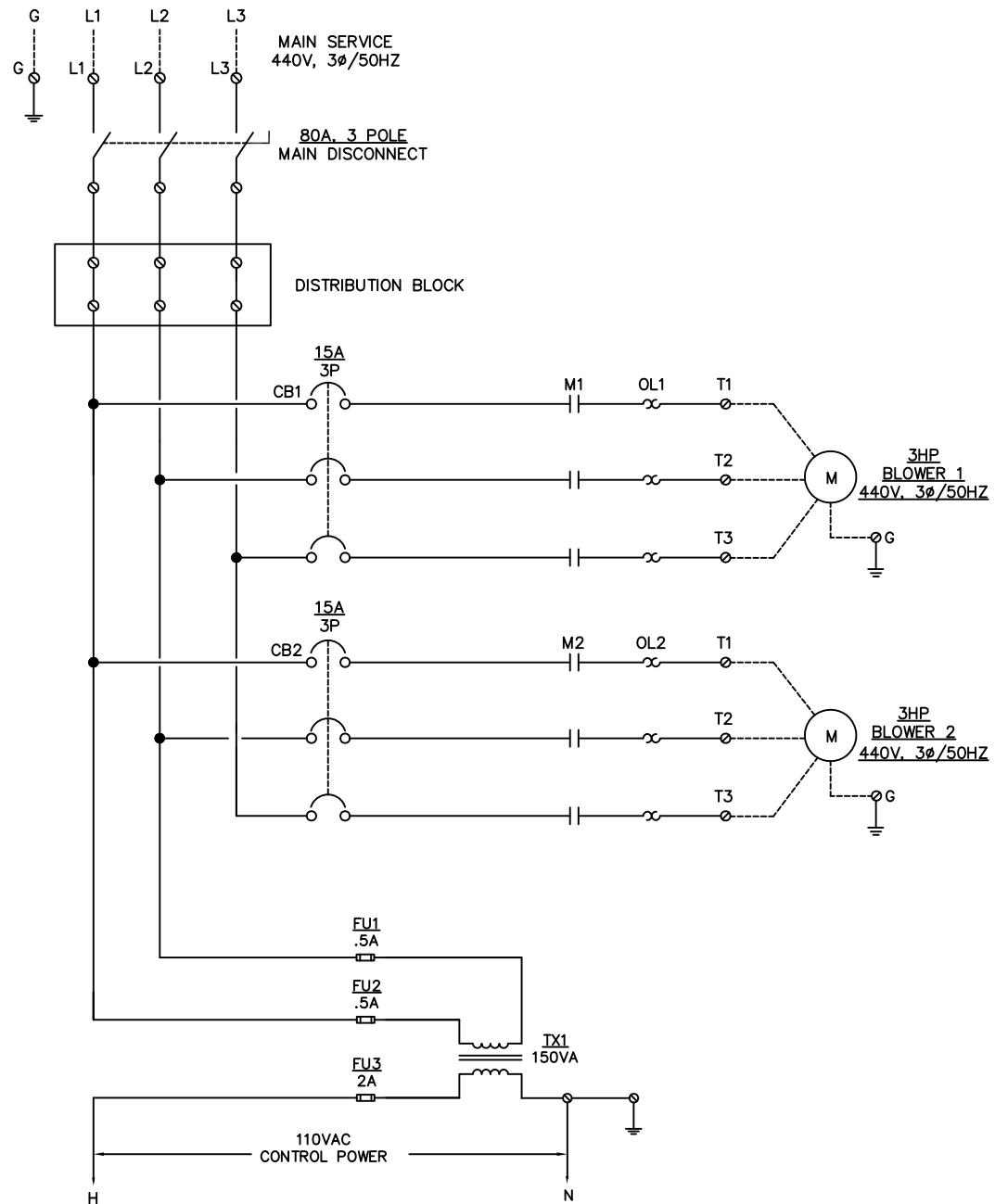
OPTIONS:

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	

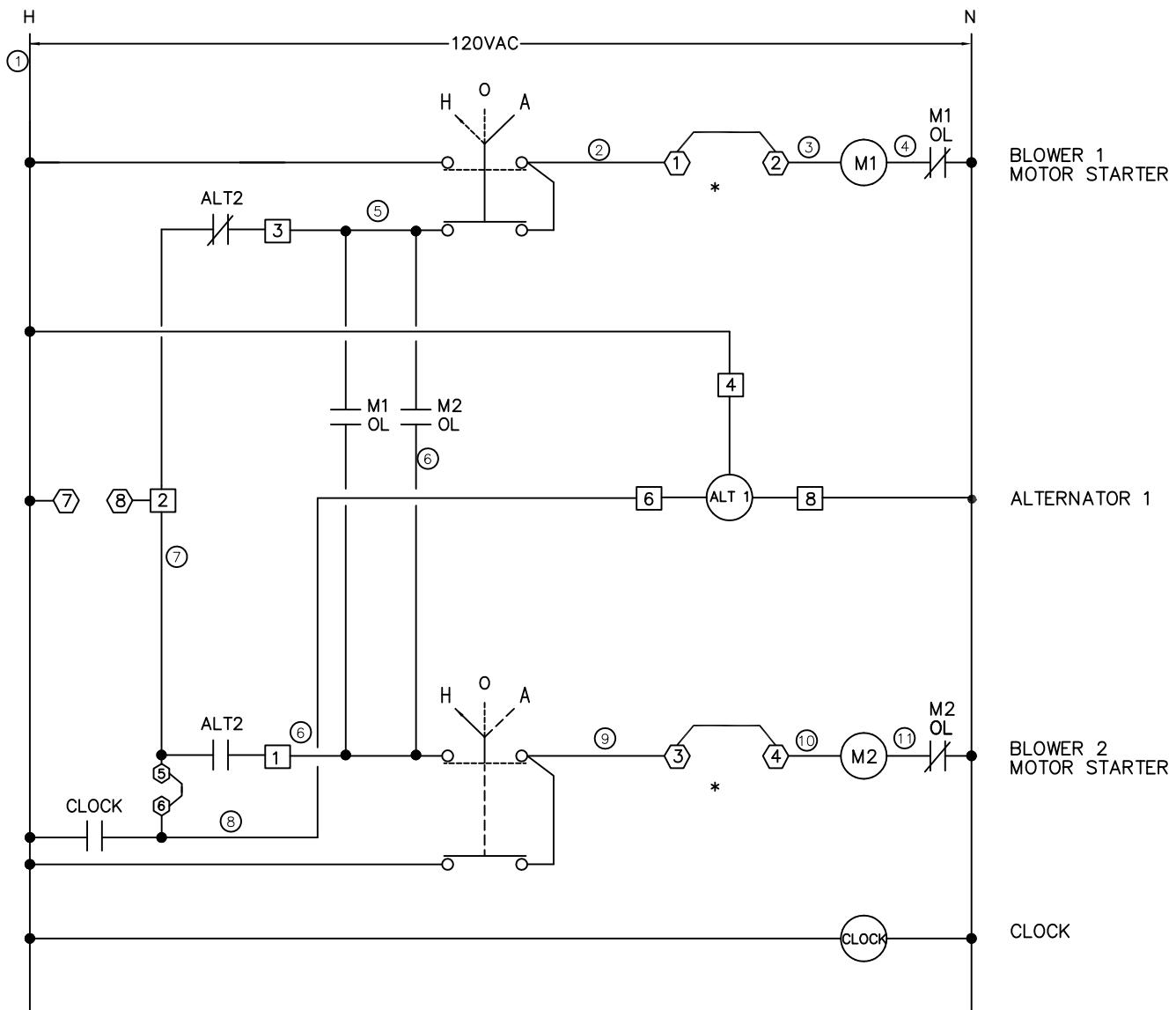
SOLD TO: Environmental Construction Corp.
TAG : Jamaica Blower Control Panel

SHIP TO: _____

	Drawing Title PANEL DESCRIPTION						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 8/09/04		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	
	DUPLEX BLOWER CONTROL PANEL					DRAWING NUMBER	CP-1866
						SHEET NUMBER	1



	Drawing Title POWER DIAGRAM					
DATE 8/09/4	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 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-1866
					SHEET NUMBER	2

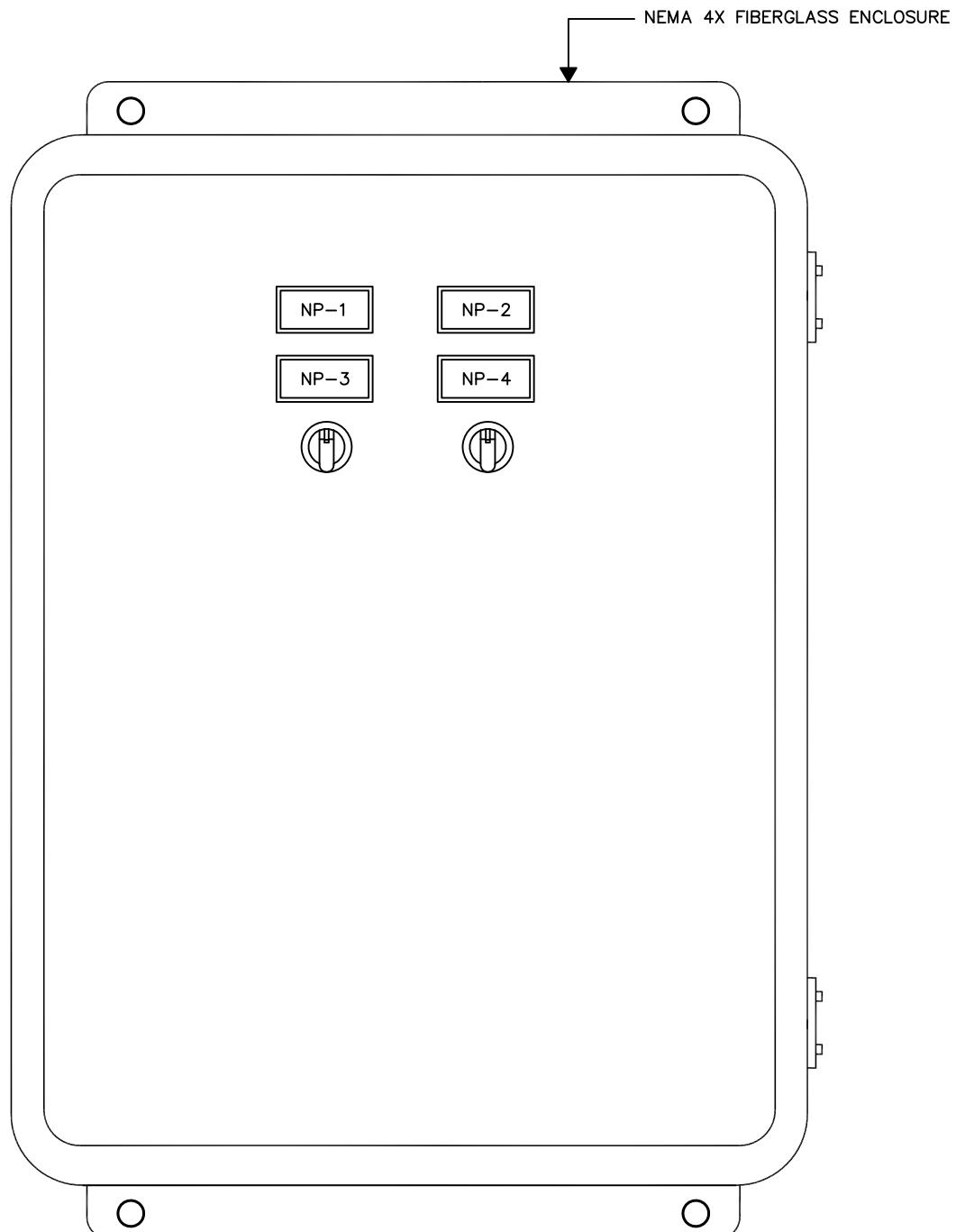


PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED OUT ON CLOCK INDICATE RUN TIME. PINS PUSHED IN INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

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 8/09/04	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE	BY	
	S/N	Sales Engineer	Application Engineer	R.C.	DRAWN	BY C. RACHAL	BY	APPROVED	DATE	
	Project Title		Environmental Construction Corp.				PURCHASE ORDER NUMBER			
	DUPLEX BLOWER CONTROL PANEL		P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095				DRAWING NUMBER CP-1866			
							SHEET NUMBER 3			



VIEW OF FRONT COVER

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	ENCLOSURE	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN			APPROVED	
DATE 8/09/04	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-1866 SHEET NUMBER 4			

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1816HPL	ENCLOSURE
2	1	VYNCKIER	MP1816A	BACKPLATE
3	2	ABB	A16-30-10-84	STARTER
4	2	ABB	TA25DU5.0	O.L. 1,2 (3.5-5.0A)
5	2	ABB	S1N015TL	CIRCUIT BREAKER 1,2
6	1	ABB	OT63E3	DISCONNECT SWITCH
7	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
8	1	GRASSLIN	FM/1 QRTUZHL	TIMER
9	2	ACI	JR22P3M20B	H.O.A. SWITCH
10	1	ABB	T4150PSF-1	TRANSFORMER
11	1	MARATHON	1323580	DISTRIBUTION BLOCK
12				
13				
14				
15				

	Drawing Title						
	BILL OF MATERIALS						
DATE 8/09/04	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-1866	
						SHEET NUMBER 5	