

ENVIRONMENTAL CONSTRUCTION CORP.

CWS, DIV.

LIVE OAK
SIMPLEX BLOWER/DUPLEX PUMP
CONTROL PANEL

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

CP-1820

VOLTAGE	<u>480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>1/2</u>	
HP	<u>1/ 1/2</u>	
FLA	<u>2.1/1.1</u>	
TYPE OF PUMP	<u>Blower/Pump</u>	(Self-Priming, Submersible)
MANUFACTURER	<u></u>	
CATALOG NUMBER	<u></u>	

CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Fiberglass</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u></u>	(Floats, Bubbler, Other)
CAPACITORS	<u></u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u></u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	

OPTIONS:

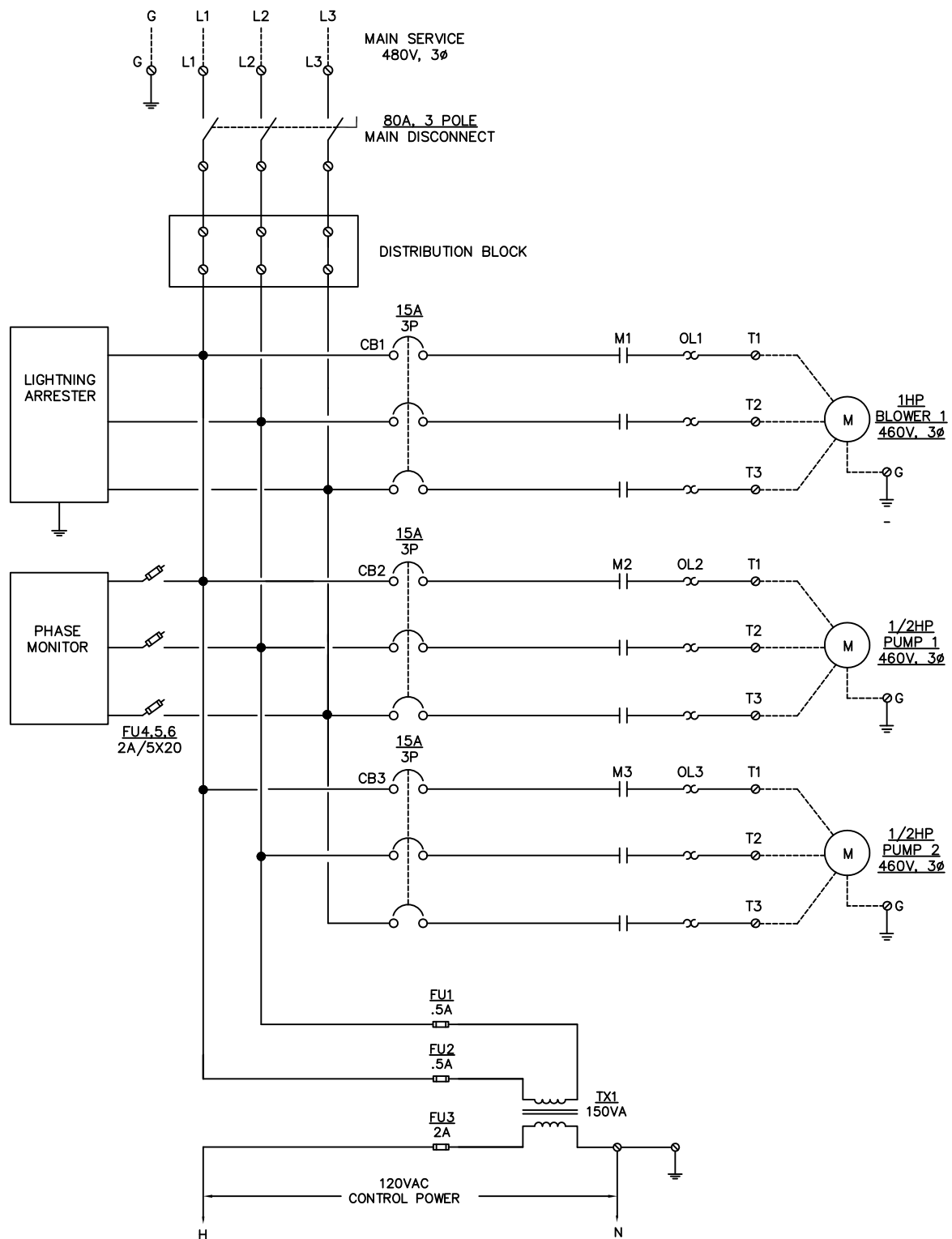
SEAL FAIL LIGHTS	<u></u>	(Submersible Only)
SEAL FAIL RELAYS	<u></u>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<u></u>	(Submersible Only)
HT PUMP SHUTDOWN	<u></u>	(Self-Primer, Submersible)
ALARM HORN	<u></u>	
ALARM LIGHT	<u>X</u>	
LIGHT PANEL MTD	<u></u>	
LIGHT REMOTE MTD	<u></u>	
LIGHT FLASHER	<u>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

SOLD TO: Environmental Construction Corp.

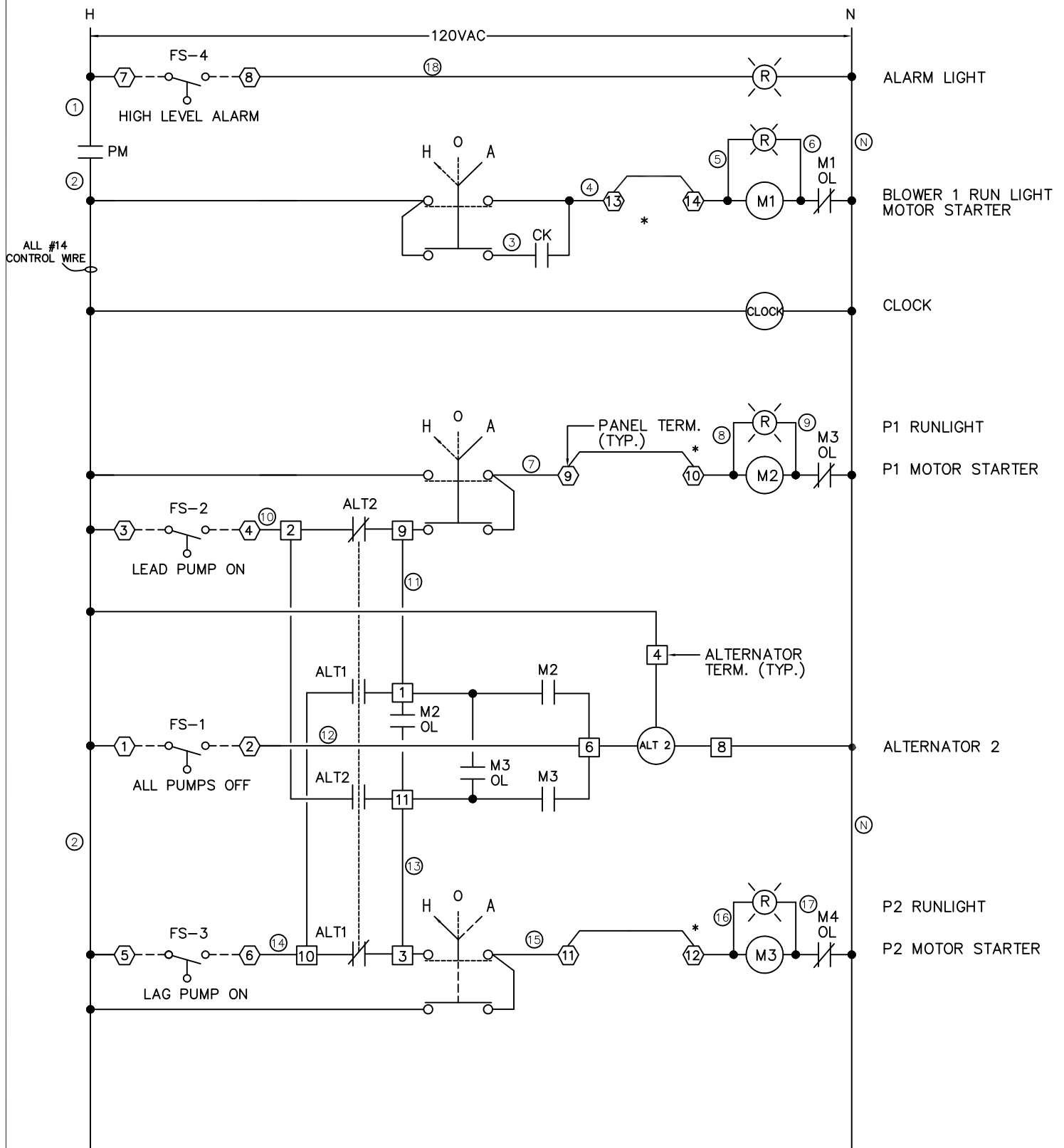
TAG : Live Oak Blower/Pump Control Panel

SHIP TO:

	Drawing Title						
	PANEL DESCRIPTION						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
6/03/04		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	
	SIMPLEX BLOWER/PUMP CONTROL PANEL					DRAWING NUMBER CP-1820	
						SHEET NUMBER 1	



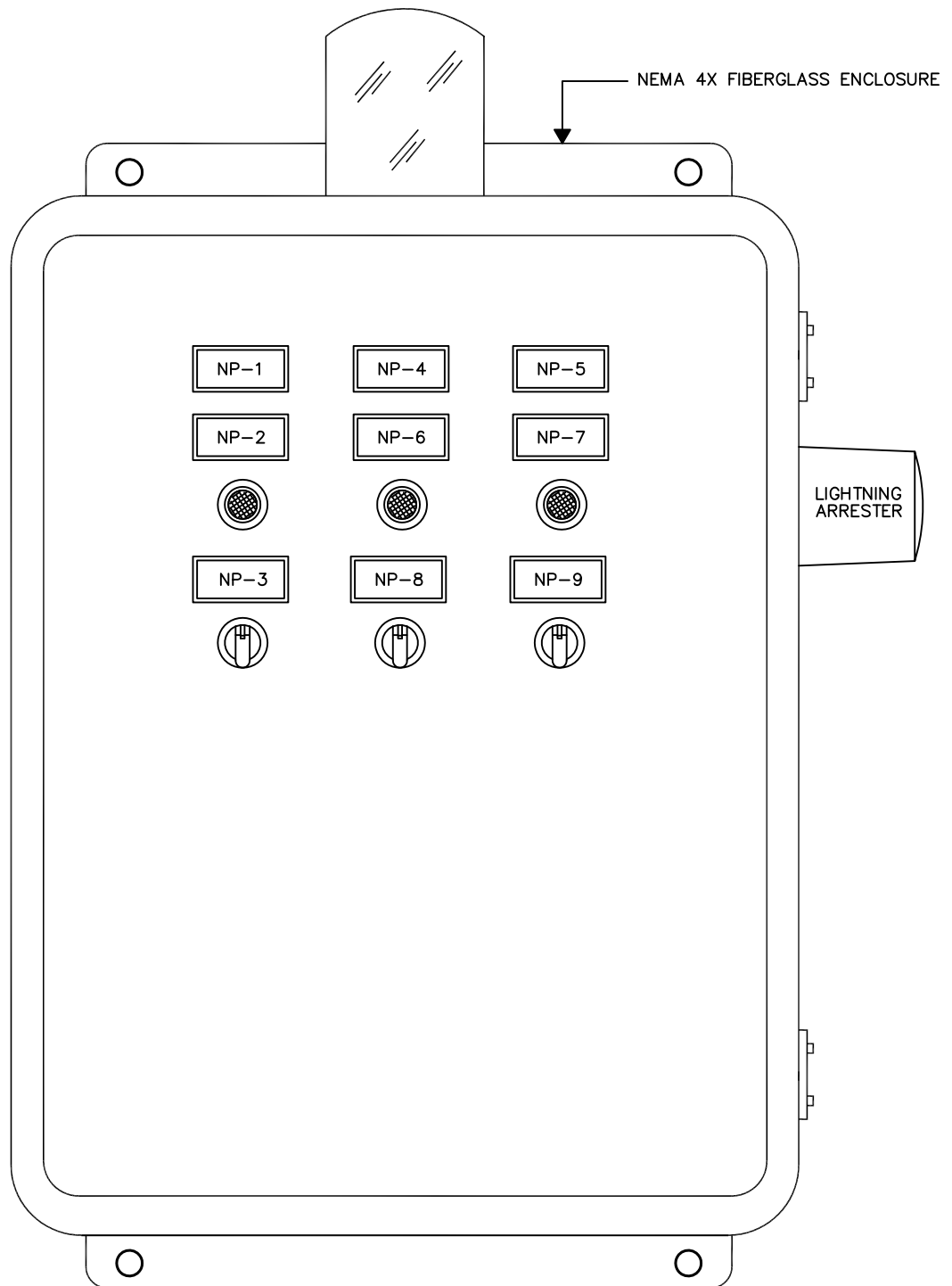
	Drawing Title								
	POWER DIAGRAM								
DATE	6/03/04	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED			
	Project Title	Environmental Construction Corp.					PURCHASE ORDER NUMBER		
	SIMPLEX BLOWER/PUMP CONTROL PANEL	P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095					DRAWING NUMBER CP-1820		
							SHEET NUMBER 2		



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

Drawing Title							
CONTROL DIAGRAM							
DATE		REFERENCE DRAWING		NO.		REVISION-LOCATION	
6/03/04		S/N		Sales Engineer		Application Engineer	
				C.C.		R.C.	
Project Title				BY		C. RACHAL	
SIMPLEX BLOWER/PUMP CONTROL PANEL						APPROVED	
						BY	
						DATE	
						PURCHASE ORDER NUMBER	
						DRAWING NUMBER	
						CP-1820	
						SHEET NUMBER	
						3	

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VIEW OF FRONT COVER

NOTE:
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

NAMEPLATE SCHEDULE

NP-1	BLOWER 1	NP-7	RUN
NP-2	RUN	NP-8	HOA
NP-3	HOA	NP-9	HOA
NP-4	PUMP 1		
NP-5	PUMP 2		
NP-6	RUN		

	Drawing Title							
	ENCLOSURE							
DATE 6/03/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY	
	Project Title	Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095				PURCHASE ORDER NUMBER		
	SIMPLEX BLOWER/PUMP CONTROL PANEL					DRAWING NUMBER CP-1820		
						SHEET NUMBER 4		

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM30240RL	ENCLOSURE
2	1	ALLIED	A3024P	BACKPLATE
3	3	ABB	A16-30-10-84	STARTER
4	1	ABB	TA25DU2.4	O.L. 1 (1.7-2.4A)
5	2	ABB	TA25DU1.4	O.L. 2,3 (1.0-1.4A)
6	3	ABB	S1N015TL	CIRCUIT BREAKER 1,2,3
7	1	ABB	OT63E3	DISCONNECT SWITCH
8	1	TIMEMARK	261DT120	ALTERNATING RELAY
9	1	INTERMATIC	T1975	TIMER
10	3	ACI	JR22FR	RED PILOT LIGHT
11	3	ACI	JR22P3M20B	H.O.A. SWITCH
12	1	SQUARE D	9070TF150D1	TRANSFORMER
13	1	DELTA	LA603	LIGHTNING ARRESTER
14	1	SSAC	PLMU-11	PHASE MONITOR
15	1	MARATHON	1323580	DISTRIBUTION BLOCK
16	1	AC/DC	BL5-R-120	ALARM LIGHT

	Drawing Title						
	BILL OF MATERIALS						
DATE 6/03/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095				PURCHASE ORDER NUMBER	
	SIMPLEX BLOWER/PUMP CONTROL PANEL					DRAWING NUMBER CP-1820	
						SHEET NUMBER 5	