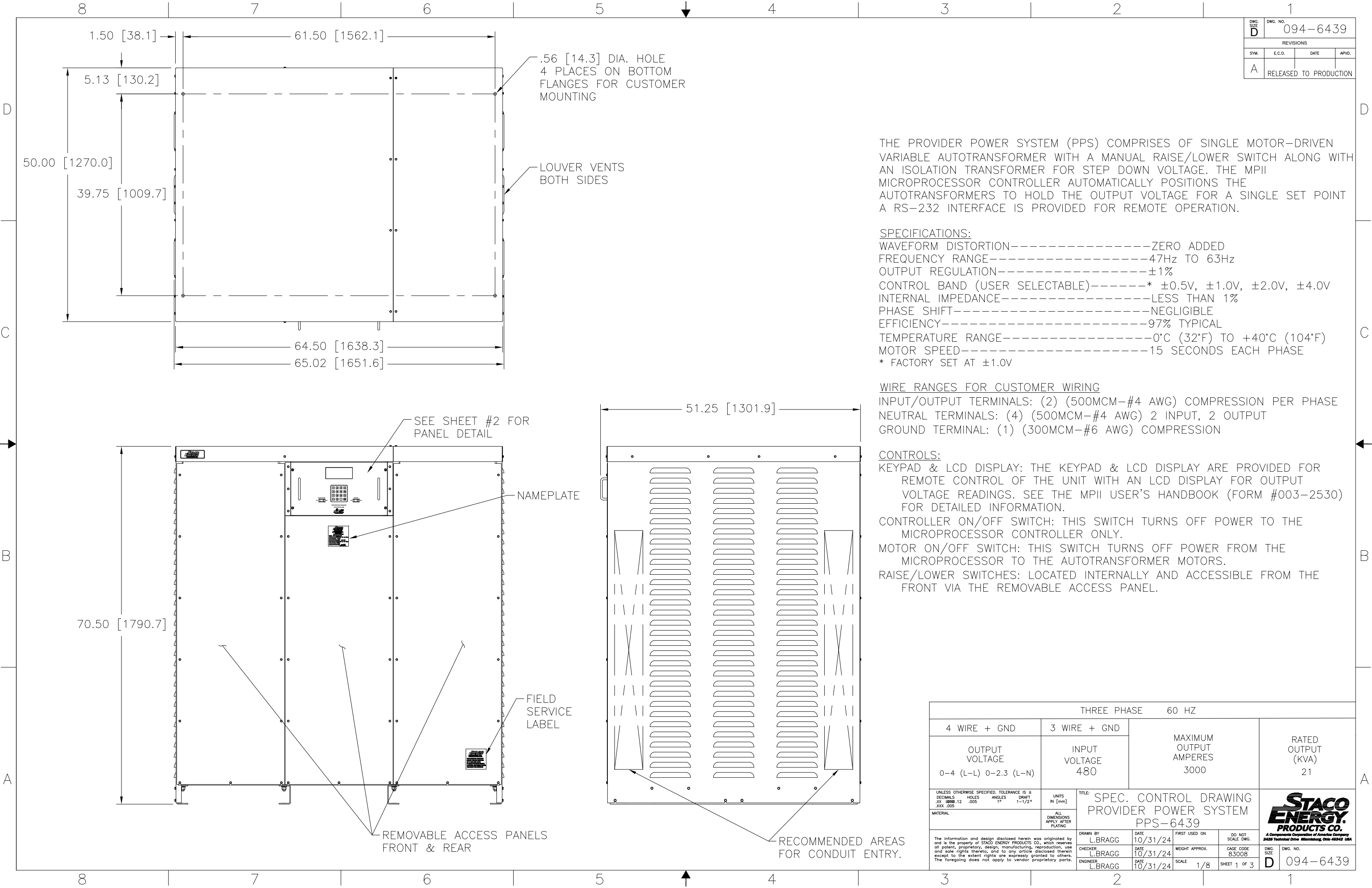




DWG. SIZE D	DWG. NO. 094-6439		
REVISIONS			
SYM.	E.C.O.	DATE	APVD.
A	RELEASED TO PRODUCTION		

THE PROVIDER POWER SYSTEM (PPS) COMPRISES OF SINGLE MOTOR-DRIVEN VARIABLE AUTOTRANSFORMER WITH A MANUAL RAISE/LOWER SWITCH ALONG WITH AN ISOLATION TRANSFORMER FOR STEP DOWN VOLTAGE. THE MPII MICROPROCESSOR CONTROLLER AUTOMATICALLY POSITIONS THE AUTOTRANSFORMERS TO HOLD THE OUTPUT VOLTAGE FOR A SINGLE SET POINT A RS-232 INTERFACE IS PROVIDED FOR REMOTE OPERATION.

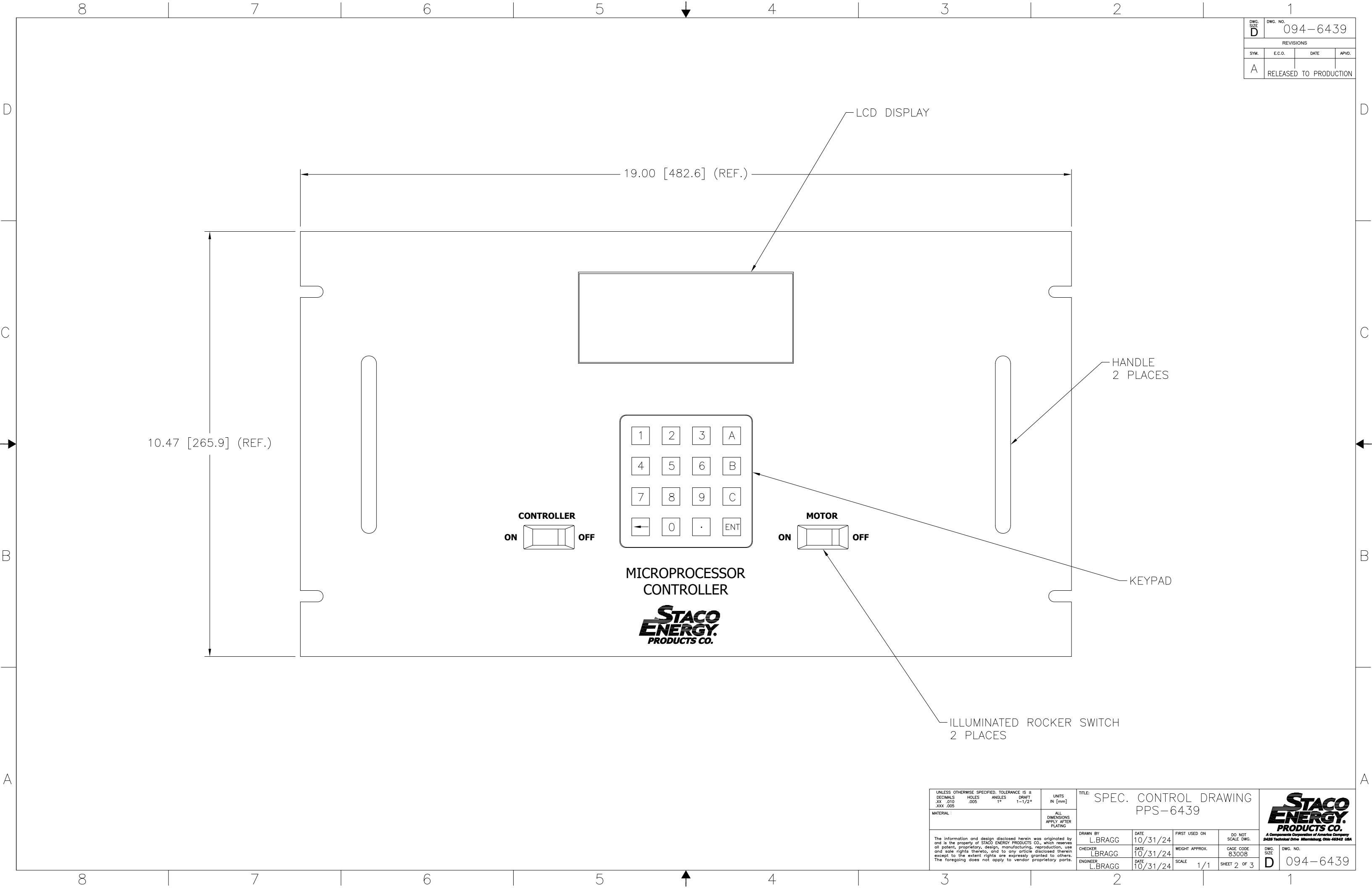
SPECIFICATIONS:
WAVEFORM DISTORTION-----ZERO ADDED
FREQUENCY RANGE-----47Hz TO 63Hz
OUTPUT REGULATION-----±1%
CONTROL BAND (USER SELECTABLE)-----* ±0.5V, ±1.0V, ±2.0V, ±4.0V
INTERNAL IMPEDANCE-----LESS THAN 1%
PHASE SHIFT-----NEGLECTIBLE
EFFICIENCY-----97% TYPICAL
TEMPERATURE RANGE-----0°C (32°F) TO +40°C (104°F)
MOTOR SPEED-----15 SECONDS EACH PHASE
* FACTORY SET AT ±1.0V

WIRE RANGES FOR CUSTOMER WIRING
INPUT/OUTPUT TERMINALS: (2) (500MCM-#4 AWG) COMPRESSION PER PHASE
NEUTRAL TERMINALS: (4) (500MCM-#4 AWG) 2 INPUT, 2 OUTPUT
GROUND TERMINAL: (1) (300MCM-#6 AWG) COMPRESSION

CONTROLS:
KEYPAD & LCD DISPLAY: THE KEYPAD & LCD DISPLAY ARE PROVIDED FOR REMOTE CONTROL OF THE UNIT WITH AN LCD DISPLAY FOR OUTPUT VOLTAGE READINGS. SEE THE MPII USER'S HANDBOOK (FORM #003-2530) FOR DETAILED INFORMATION.
CONTROLLER ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER TO THE MICROPROCESSOR CONTROLLER ONLY.
MOTOR ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER FROM THE MICROPROCESSOR TO THE AUTOTRANSFORMER MOTORS.
RAISE/LOWER SWITCHES: LOCATED INTERNALLY AND ACCESSIBLE FROM THE FRONT VIA THE REMOVABLE ACCESS PANEL.

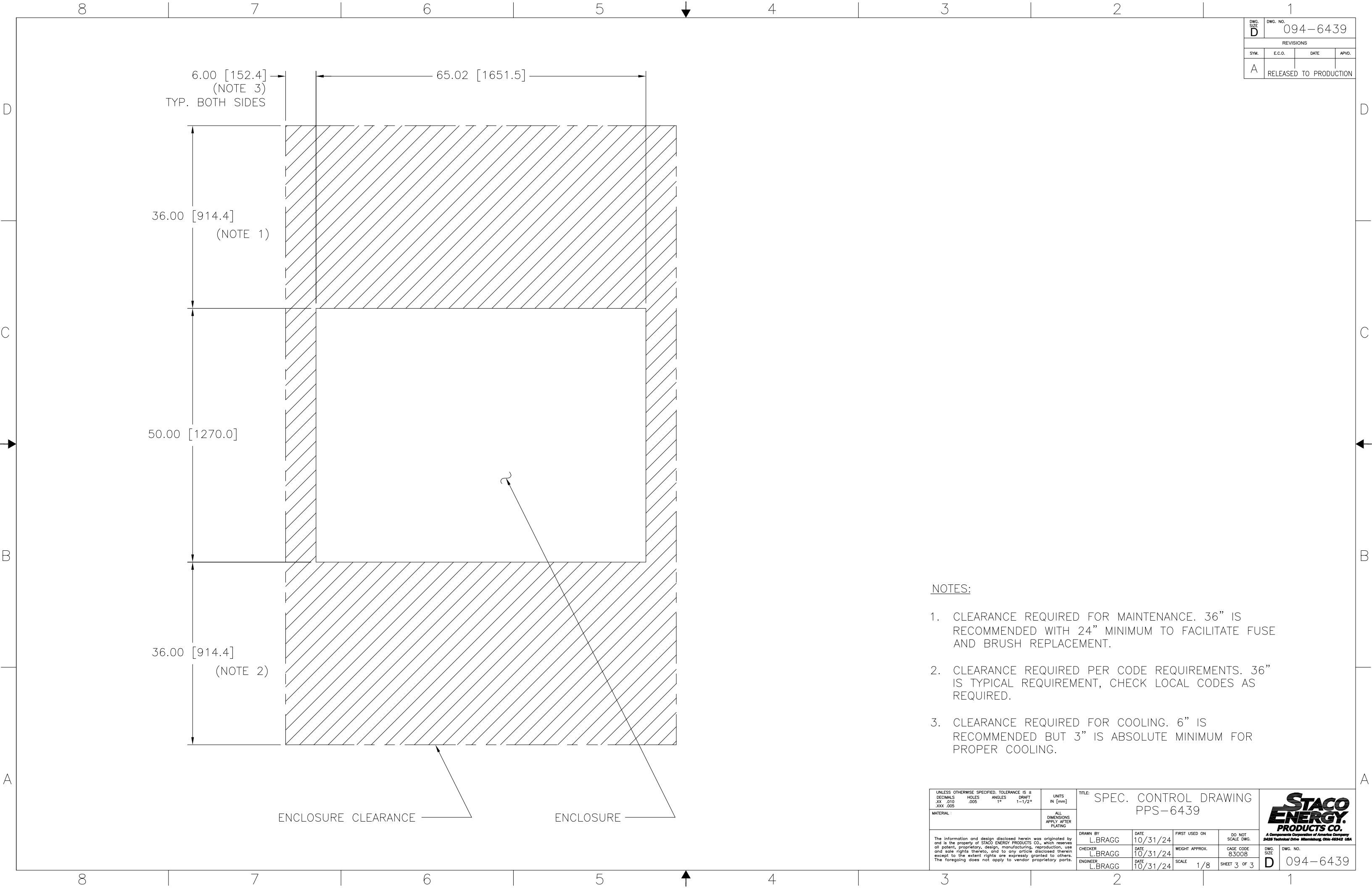
THREE PHASE						60 HZ		
4 WIRE + GND		3 WIRE + GND		MAXIMUM OUTPUT AMPERES 3000		RATED OUTPUT (KVA) 21		
OUTPUT VOLTAGE 0-4 (L-L) 0-2.3 (L-N)		INPUT VOLTAGE 480						
UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ± DECIMALS HOLES ANGLES DRAFT .XX .005 .12 .005 1° 1-1/2° MATERIAL				TITLE: SPEC. CONTROL DRAWING PROVIDER POWER SYSTEM PPS-6439		 A Component Company of Aerovox Company 2428 Technical Drive Huronburg, Ohio 48624 USA		
ALL DIMENSIONS APPLY AFTER PLATING		DRAWN BY L.BRAGG		DATE 10/31/24	FIRST USED ON			DO NOT SCALE DWG.
		CHECKER L.BRAGG		DATE 10/31/24	WEIGHT APPROX.			CAGE CODE 83008
		ENGINEER L.BRAGG		DATE 10/31/24	SCALE 1/8			SHEET 1 OF 3
The information and design disclosed herein was originated by and is the property of STACO ENERGY PRODUCTS CO., which reserves all patent, proprietary, design, manufacturing, reproduction, use and sale rights thereto, and to any article disclosed therein except to the extent rights are expressly granted to others. The foregoing does not apply to vendor proprietary parts.						DWG. SIZE D	DWG. NO. 094-6439	





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UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±				TITLE: SPEC. CONTROL DRAWING PPS-6439		 A Components Corporation of America Company 2439 Technical Drive Miamisburg, Ohio 45342 USA				
DECIMALS	HOLES	ANGLES	DRAFT					UNITS		
.XX .010	.005	1°	1-1/2°					IN [mm]		
MATERIAL :		ALL DIMENSIONS APPLY AFTER PLATING		DRAWN BY L.BRAGG				DATE 10/31/24	FIRST USED ON	DO NOT SCALE DWG.
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		ENGINEER L.BRAGG		DATE 10/31/24	SCALE 1/1	SHEET 2 OF 3	D	094-6439		
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DWG. NO.	094-6439		
DWG. SIZE	D		
REVISIONS			
SYM.	E.C.O.	DATE	APVD.
A	RELEASED TO PRODUCTION		

NOTES:

- CLEARANCE REQUIRED FOR MAINTENANCE. 36" IS RECOMMENDED WITH 24" MINIMUM TO FACILITATE FUSE AND BRUSH REPLACEMENT.
- CLEARANCE REQUIRED PER CODE REQUIREMENTS. 36" IS TYPICAL REQUIREMENT, CHECK LOCAL CODES AS REQUIRED.
- CLEARANCE REQUIRED FOR COOLING. 6" IS RECOMMENDED BUT 3" IS ABSOLUTE MINIMUM FOR PROPER COOLING.

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±				UNITS		TITLE: SPEC. CONTROL DRAWING PPS-6439				 STACO ENERGY PRODUCTS CO. A Components Corporation of America Company 2429 Technical Drive Miamisburg, Ohio 45342 USA							
DECIMALS	HOLES	ANGLES	DRAFT	IN [mm]													
.XX .010	.005	1°	1-1/2°														
MATERIAL:				ALL DIMENSIONS APPLY AFTER PLATING													
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						L.BRAGG		10/31/24									
						CHECKER		DATE		WEIGHT APPROX.		CAGE CODE		DWG. SIZE		DWG. NO.	
						L.BRAGG		10/31/24				83008		D		094-6439	
						ENGINEER		DATE		SCALE		SHEET					
L.BRAGG		10/31/24		1/8		3 OF 3											