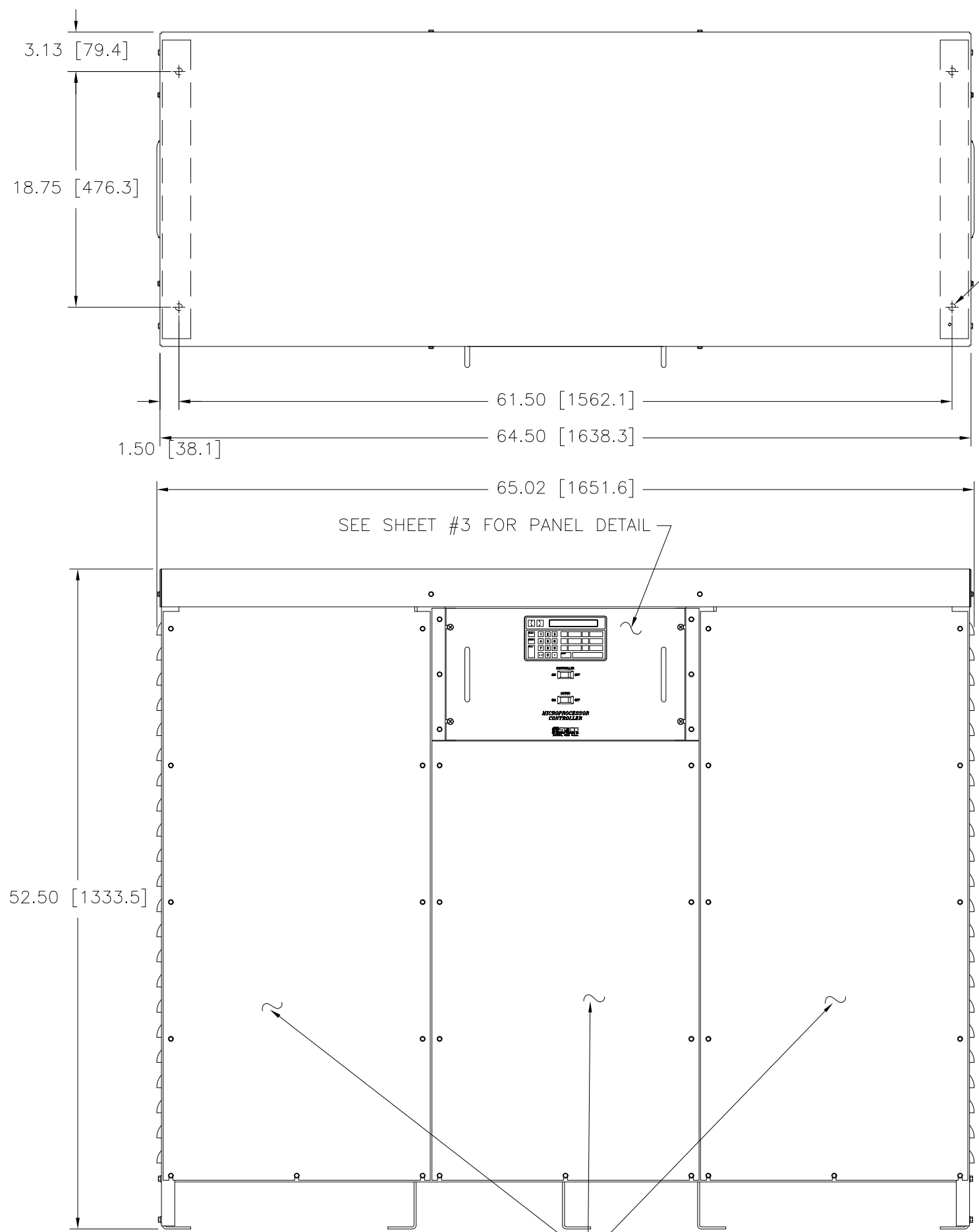
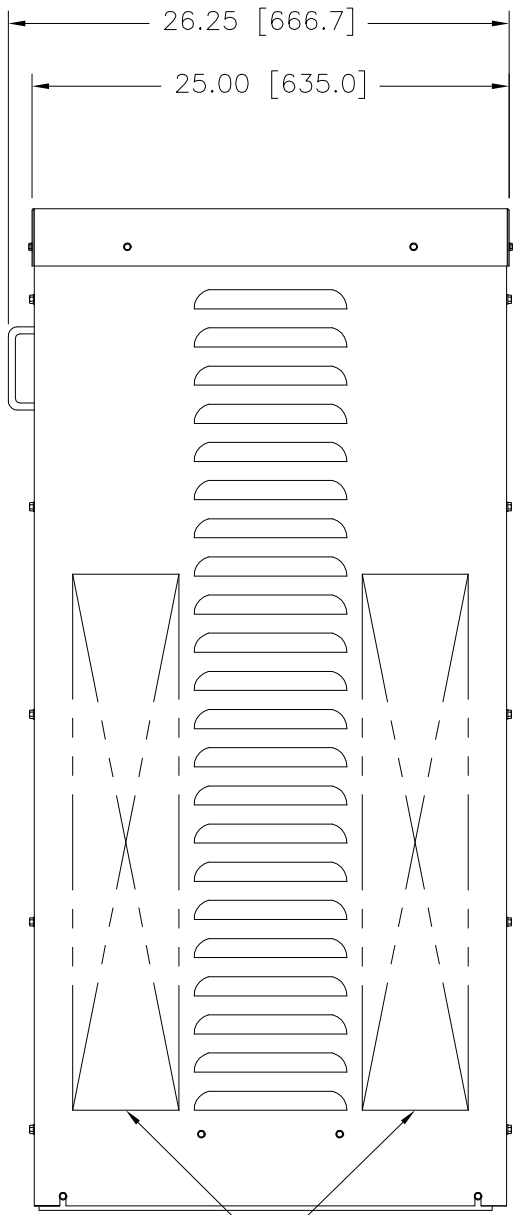


DWG. NO.	095-1794		
REVISIONS			
SYM.	E.C.N.	DATE	APVD.
B	23984	5/6/99	
REVISED NOTES			

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technical support.
Made in the USA



(4) HOLES FOR .56 [14.3] DIA. FASTENERS AT MTG. BASE FLANGES - FOR CUSTOMER USE



REMOVABLE ACCESS PANELS FRONT & REAR
RECOMMENDED AREAS FOR CONDUIT ENTRY.

EACH PHASE OF THE REGULATOR COMPRISES A MOTOR-DRIVEN VARIABLE AUTOTRANSFORMER, A BUCK-BOOST FIXED RATIO TRANSFORMER, AND A MANUAL RAISE/LOWER SWITCH. THE MICROPROCESSOR CONTROLLER AUTOMATICALLY POSITIONS EACH OF THE AUTOTRANSFORMERS TO HOLD THE OUTPUT VOLTAGE OF EACH PHASE CONSTANT. A RS-232 INTERFACE IS PROVIDED FOR REMOTE OPERATION AND MONITORING.

SPECIFICATIONS:
 WAVEFORM DISTORTION ----- ZERO
 FREQUENCY RANGE ----- 57Hz TO 63Hz
 OUTPUT REGULATION ----- ±1V
 CONTROL BAND (USER SELECTABLE) ----- * ±0.5V, ±1.0V, ±2.0V, ±4.0V
 CORRECTION RATE ----- 24 VOLTS/SECOND
 INTERNAL IMPEDANCE ----- EXTREMELY LOW
 PHASE SHIFT ----- NEGLIGIBLE
 EFFICIENCY ----- APPROXIMATELY 99%
 TEMPERATURE RANGE ----- 0°C (32°F) TO +50°C (122°F)
 * FACTORY SET AT ±0.5V

CONTROLS:
 MICROTERMINAL: THE TERMINAL IS PROVIDED FOR LOCAL CONTROL OF THE UNIT WITH AN LCD DISPLAY FOR OUTPUT VOLTAGE READINGS. SEE THE MP USER'S HANDBOOK (FORM #003-1622) 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 EACH OF THE AUTOTRANSFORMER MOTORS.
 RAISE/LOWER SWITCHES: THESE SWITCHES ARE LOCATED INTERNALLY AND ARE ACCESSIBLE FROM THE FRONT VIA THE REMOVABLE ACCESS PANEL. THE SWITCHES ALLOW FOR EACH PHASE OF THE REGULATOR TO BE MANUALLY CONTROLLED INDIVIDUALLY.

** AT NOMINAL OUTPUT VOLTAGE INPUT VOLTAGE RANGE SHIFTS PROPORTIONALLY WITH OUTPUT VOLTAGE SETTINGS.

THREE PHASE (INDIVIDUAL LINE CONTROL) 60 HZ			
OUTPUT VOLTAGE (ADJUSTMENT)	INPUT VOLTAGE RANGE **	MAXIMUM OUTPUT AMPERES	RATED OUTPUT (KVA)
480Y/277	408-528	600	500

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS #		UNITS		TITLE: SPEC. CONTROL DRAWING		
DECIMALS	Holes	ANGLES	DRAFT	AUTO VOLTAGE REGULATOR		
.XX	.12	1°	1-1/2°	TYPE: MVR-48TCIY500		A COMPONENTS CORPORATION OF AMERICA COMPANY DAYTON, OHIO U.S.A.
.XXX	.005					
MATERIAL:		ALL DIMENSIONS APPLY AFTER PLATING		DRAWN BY: TIM RAU		DATE: 9/25/96
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.		CHECKER:		DATE:		SCALE: .2=1
		ENGINEER:		DATE:		DO NOT SCALE DWG.
				WEIGHT APPROX.		CODE IDENT. NO. 83008
				CUSTOMER APPROVAL		DWG. NO. 095-1794
				SHEET 1 OF 2		DWG. SIZE D