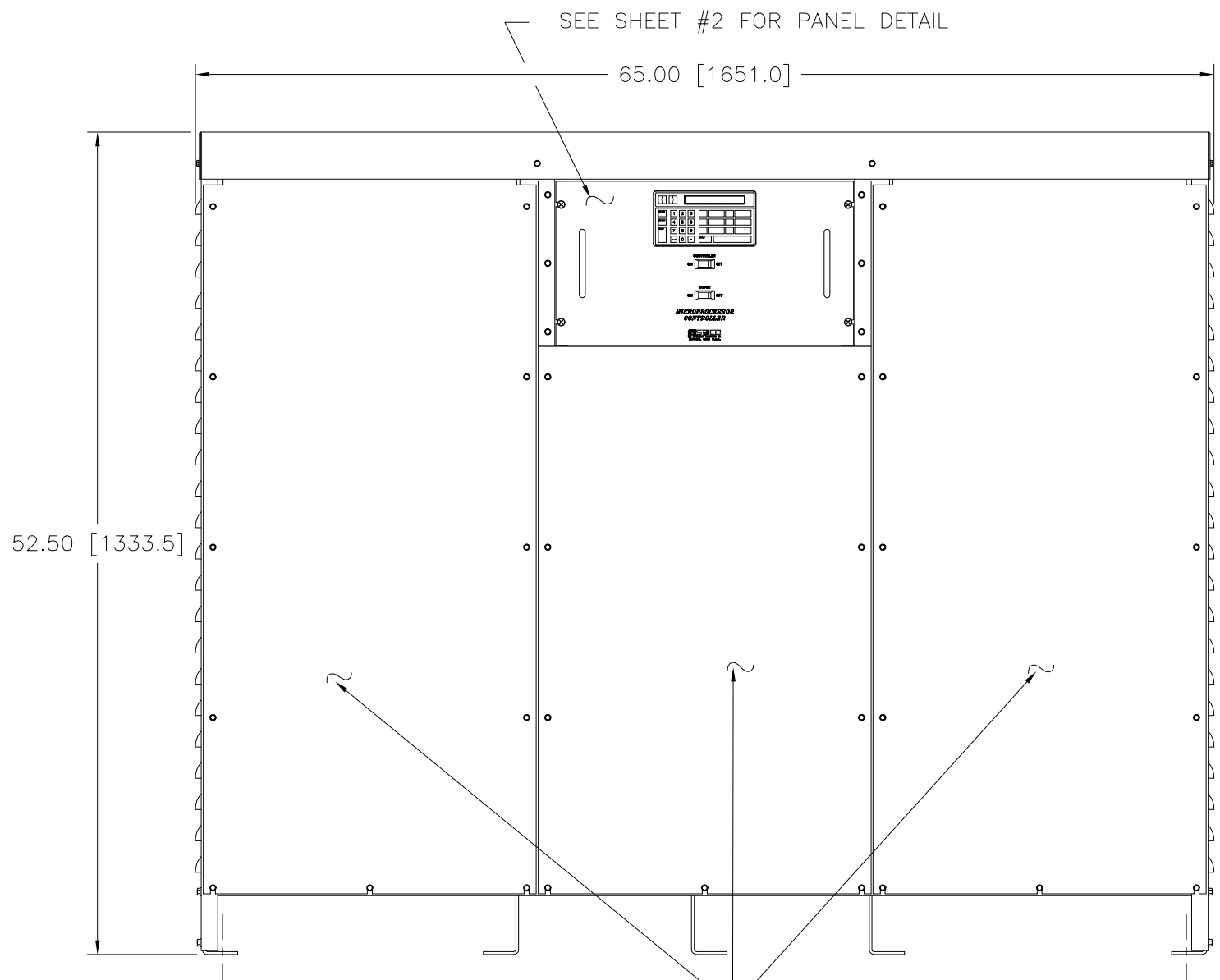
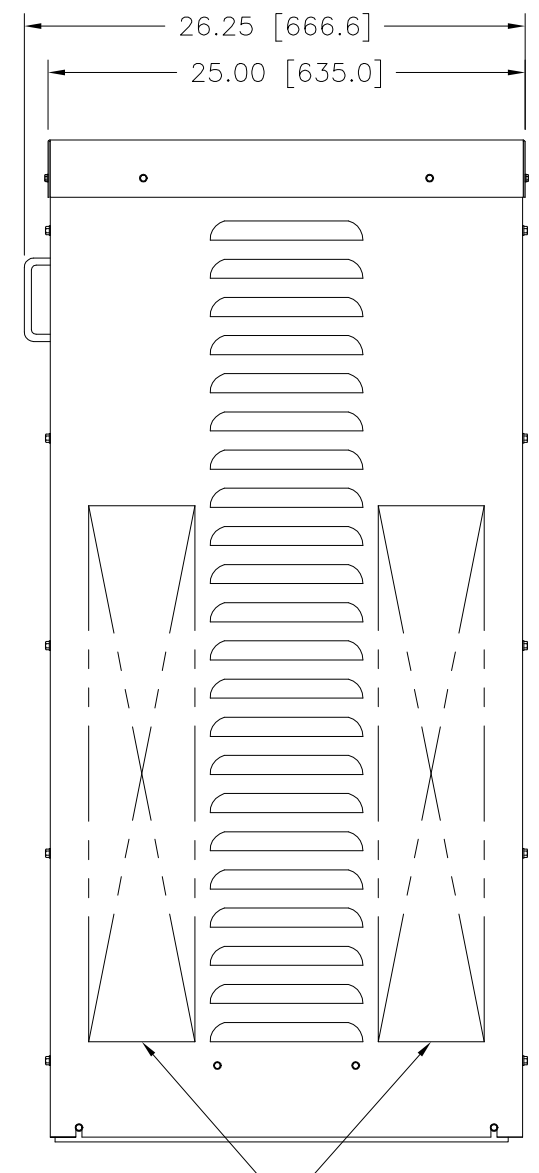


.56 [14.3] DIA. HOLE
 4 PLACES ON BOTTOM
 FLANGES FOR CUSTOMER
 MOUNTING



SEE SHEET #2 FOR PANEL DETAIL



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	-----	NEGLECTIBLE
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)				
OUTPUT VOLTAGE (ADJUSTMENT)	INPUT VOLTAGE RANGE **	MAXIMUM OUTPUT AMPERES	RATED OUTPUT (KVA)	HZ.
480Y/277	408-528	500	416	60

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS #		UNITS		TITLE: SPEC. CONTROL DRAWING				
DECIMALS	Holes	ANGLES	DRAFT	AUTO. VOLTAGE REGULATOR				
.XX	.040	1°	1-1/2°	TYPE: MVR-48TCIY416		A COMPONENTS CORPORATION OF AMERICA COMPANY DAYTON, OHIO U.S.A.		
.XXX	.005							
MATERIAL:		ALL DIMENSIONS APPLY AFTER PLATING		DRAWN BY: TIM RAU		DATE: 1/7/98		
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				ENGINEER:		DATE:	SCALE: .2=1	SHEET 1 OF 2
				CUSTOMER APPROVAL:		DATE:	DWG. NO. 095-1973	DWG. SIZE D