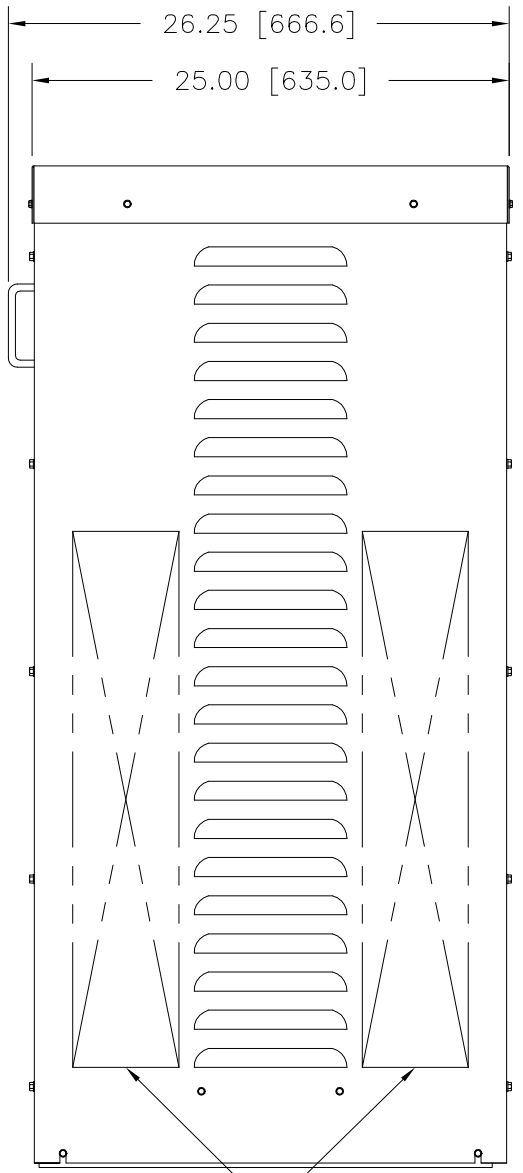
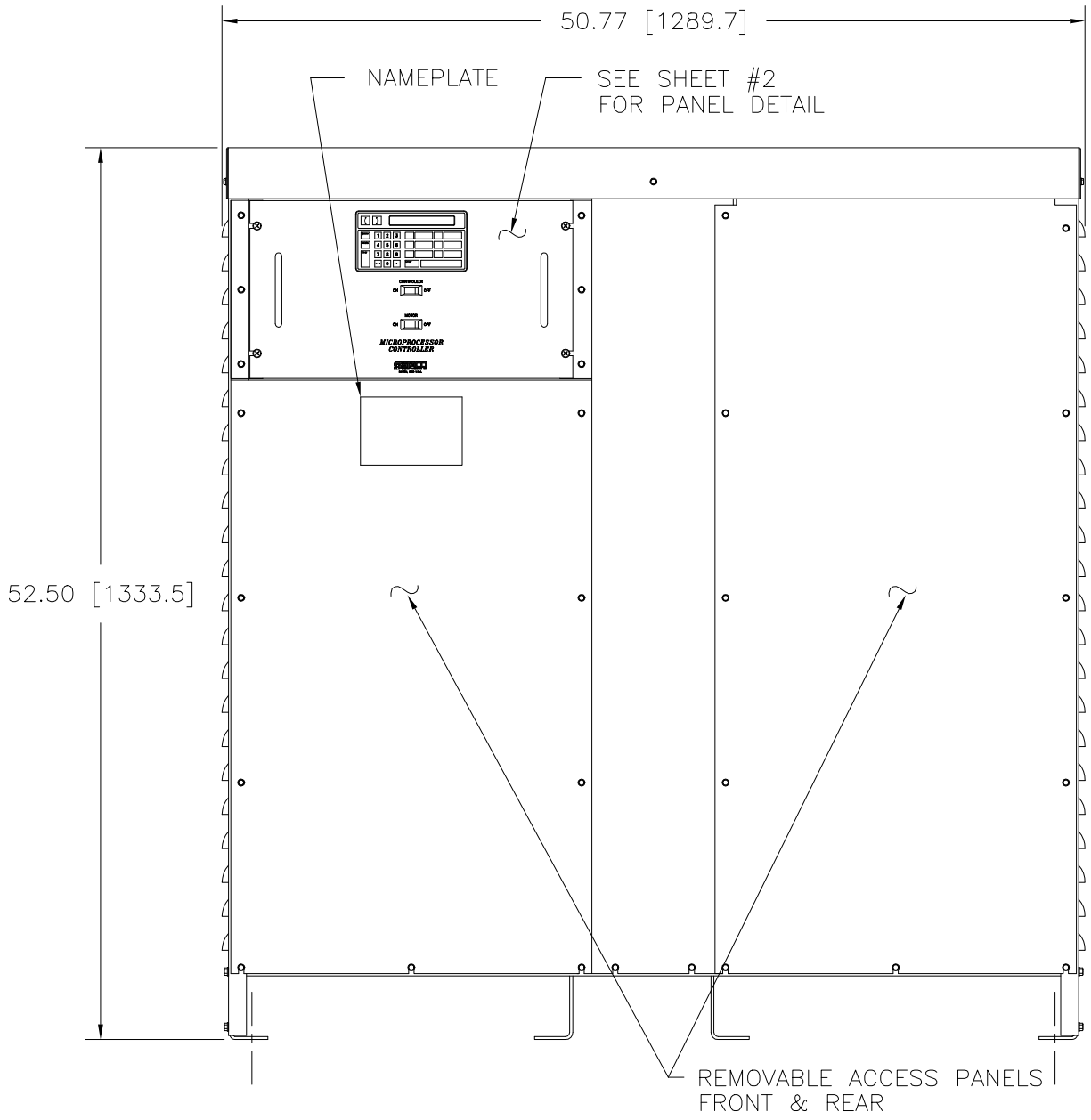


.56 [14.3] DIA. HOLE  
 4 PLACES ON BOTTOM  
 FLANGES FOR CUSTOMER  
 MOUNTING



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	150	125
UNLESS OTHERWISE SPECIFIED, TOLERANCE IS # DECIMALS .XX .XXX .XXX HOLES .12 .002 ANGLES 1° DRAFT 1-1/2° UNITS IN [mm] ALL DIMENSIONS APPLY AFTER PLATING MATERIAL:			
TITLE: SPEC. CONTROL DRAWING AUTO. VOLTAGE REGULATOR TYPE: MVR-48TCIY125 STACO ENERGY PRODUCTS CO. A COMPONENTS CORPORATION OF AMERICA COMPANY DAYTON, OHIO U.S.A.			
DRAWN BY TIM RAU	DATE 7/26/99	FIRST USED ON SCALE DWG.	CUSTOMER APPROVAL DATE
CHECKER	DATE	WEIGHT APPROX. CODE IDENT. NO. 83008	DWG. NO. 095-3055
ENGINEER	DATE	SCALE .2=1	SHEET 1 OF 2