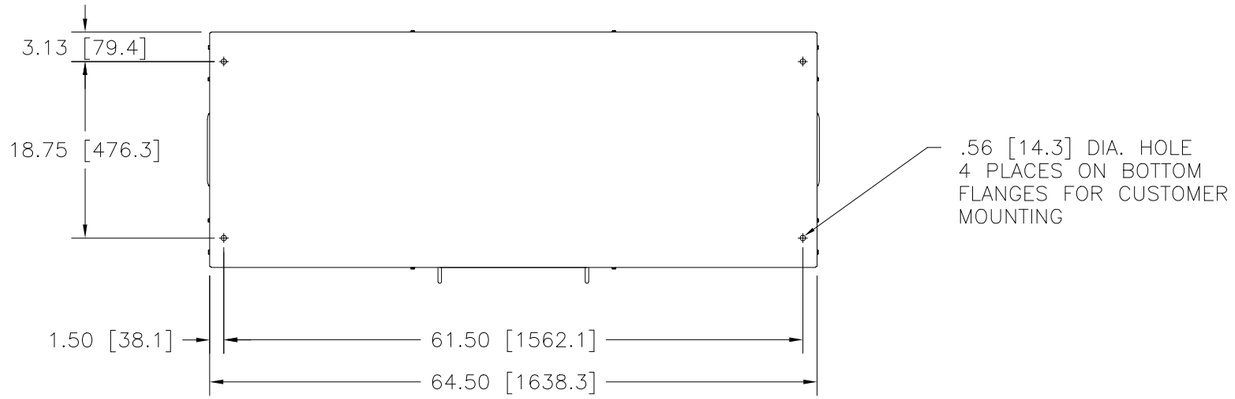
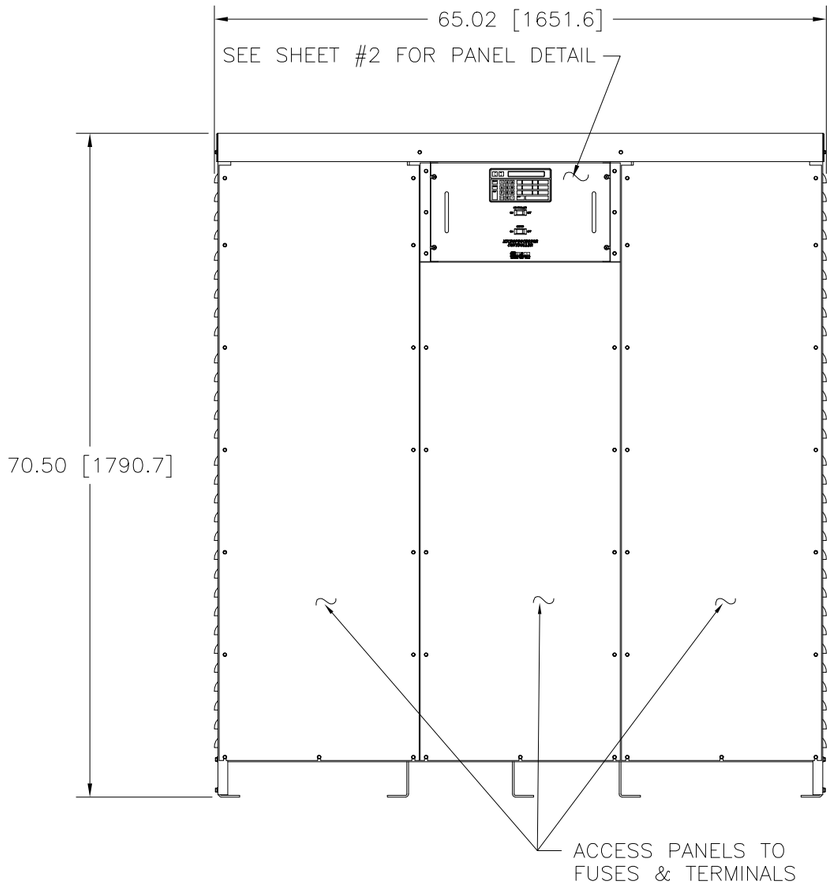
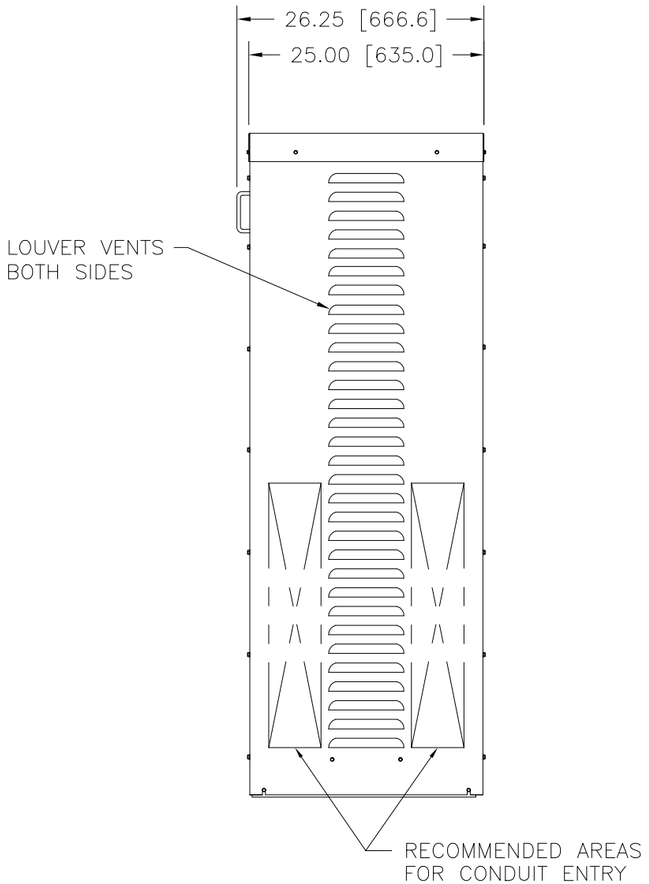
DWG. SIZE	DWG. NO.
D	095–3009

REVISIONS			
SYM.	E.C.N.	DATE	APVD.







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	±1.0V
CONTROL BAND (USER SELECTABLE)	* ±0.5V, ±1.0V, ±2.0V, ±4.0V
CORRECTING 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	800	665

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±
DECIMALS HOLES ANGLES DRAFT
.XX ~~.010~~ .12 .002 1° 1–1/2°
.XXX .005

UNITS IN [mm]

ALL DIMENSIONS APPLY AFTER PLATING

MATERIAL :

TITLE: SPEC. CONTROL DRAWING
AUTO. VOLTAGE REGULATOR
TYPE: MVR–48TCIY665

STACO ENERGY PRODUCTS CO.
A COMPONENTS CORPORATION OF AMERICA COMPANY
DAYTON, OHIO U.S.A.

DRAWN BY TIM RAU	DATE 9/24/98	FIRST USED ON	DO NOT SCALE DWG.	CUSTOMER APPROVAL	DATE
CHECKER	DATE	WEIGHT APPROX.	CODE IDENT. NO. 83008	DWG. SIZE D	DWG. NO. 095–3009
ENGINEER	DATE	SCALE .125=1	SHEET 1 OF 2		