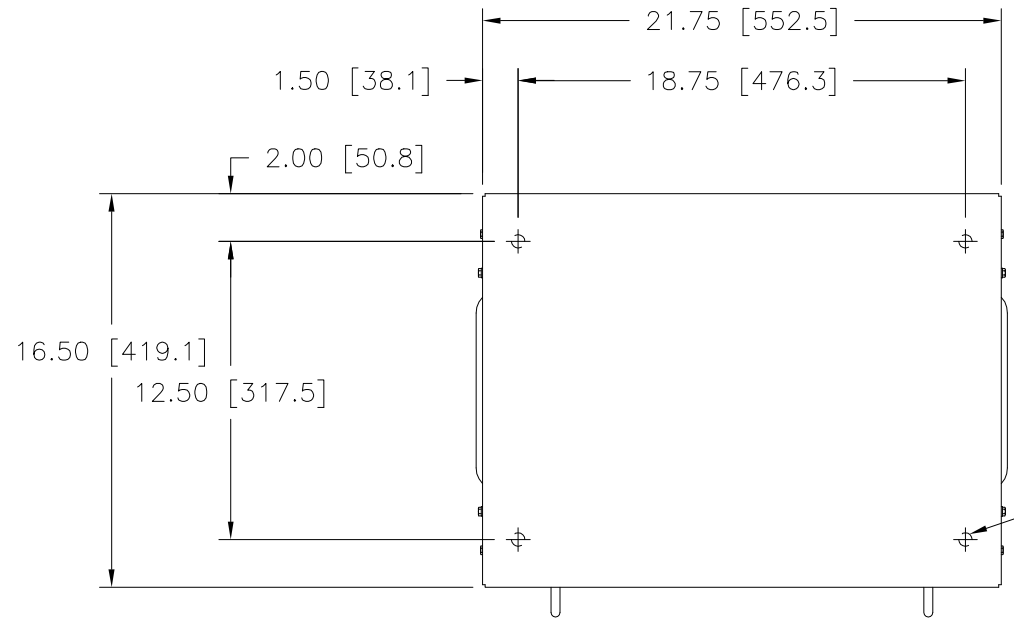


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.56 [14.3] DIA. HOLE
4 PLACES ON BOTTOM
FLANGES FOR CUSTOMER
MOUNTING

THE REGULATOR COMPRISES A MOTOR-DRIVEN VARIABLE AUTOTRANSFORMER, A BUCK-BOOST FIXED RATIO TRANSFORMER, AND A SOLID STATE CONTROL UNIT THAT AUTOMATICALLY POSITIONS THE AUTOTRANSFORMER TO HOLD THE OUTPUT VOLTAGE CONSTANT. A 0-300 VOLT ANALOG VOLTMETER IS PROVIDED.

SPECIFICATIONS:

WAVEFORM DISTORTION	- - - - -	ZERO
FREQUENCY RANGE	- - - - -	47 HZ TO 63 HZ
ACCURACY	- - - - -	±1%
INTERNAL IMPEDANCE	- - - - -	LESS THAN 1%
CORRECTION RATE	- - - - -	14.4 VOLTS/SECONDS
PHASE SHIFT	- - - - -	NEGLIGIBLE
EFFICIENCY	- - - - -	99% TYPICAL
TEMPERATURE RANGE	- - - - -	0°C (32°F) TO +40°C (104°F)

WIRE RANGES FOR CUSTOMER WIRING:

INPUT/OUTPUT/NEUTRAL TERMINALS: (1) (X-X) COMPRESSION PER PHASE
GROUND TERMINALS: (1) (X-X) COMPRESSION

NOTE:

SEE THE FRC-20 USER'S HANDBOOK, FORM #003-1922 FOR DETAILED INFORMATION.

CONTROLS:

CONTROLLER ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER TO THE CONTROLLER ONLY.

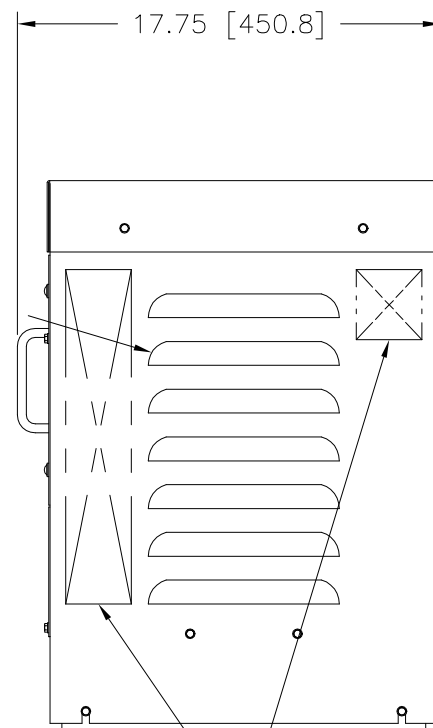
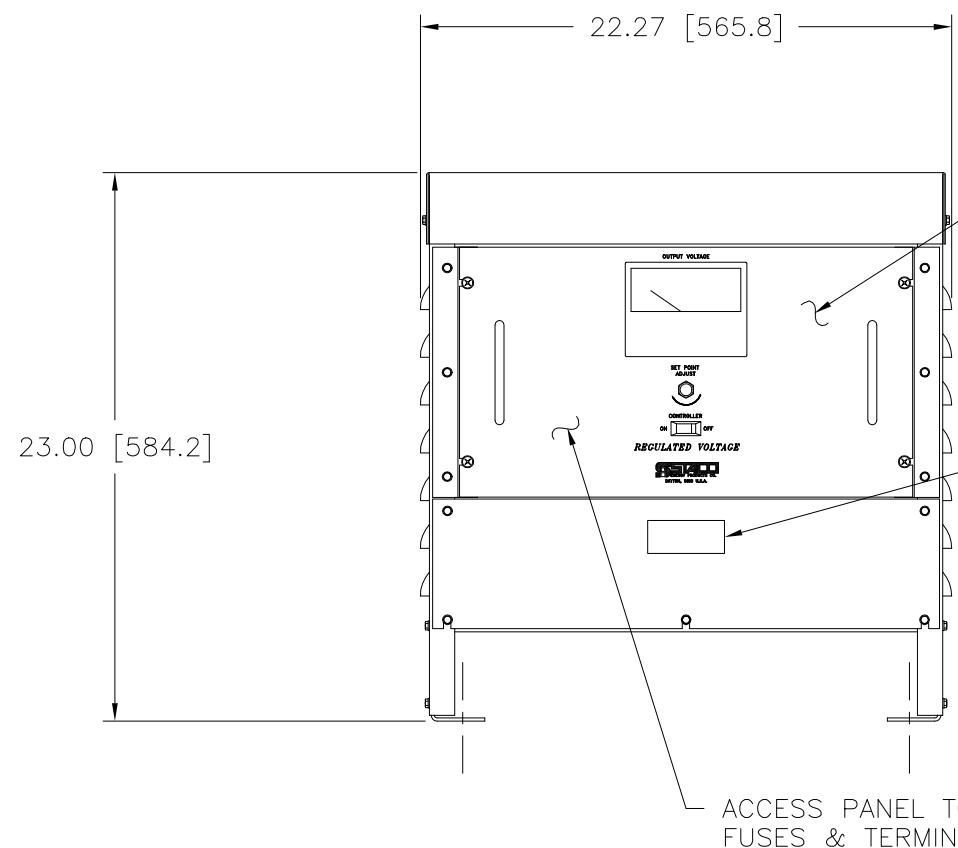
OUTPUT ADJUSTMENT: THIS POTENTIOMETER CONTROL IS ROTATED CLOCKWISE TO INCREASE OUTPUT VOLTAGE SET POINT AND COUNTERCLOCKWISE TO DECREASE THE OUTPUT VOLTAGE SET POINT.

VOLTMETER: THE ANALOG VOLTMETER INDICATES THE REGULATED OUTPUT VOLTAGE SETTING.

RAISE/LOWER SWITCH: THIS SWITCH IS LOCATED INTERNALLY AND IS ACCESSIBLE FROM THE FRONT VIA THE REMOVABLE ACCESS PANEL. THE SWITCH ALLOWS THE REGULATOR TO BE MANUALLY CONTROLLED.

* OUTPUT VOLTAGE SETPOINT	INPUT VOLTAGE RANGE
200	160 - 220
208	166 - 229
220	176 - 242
230	184 - 253
240	192 - 264

NOTE: 50 HZ APPLICATIONS REQUIRE INPUT VOLTAGES TO NOT EXCEED A MAXIMUM 242 VOLTS.



RECOMMENDED AREAS
FOR CONDUIT ENTRY

SINGLE PHASE		50/60 Hz	
NOMINAL OUTPUT VOLTAGE	INPUT VOLTAGE RANGE*	MAXIMUM OUTPUT AMPERES	RATED OUTPUT (KVA)
240	192-264	110	26

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS *		UNITS		TITLE: SPEC. CONTROL DRAWING			
DECIMALS	HOLES	ANGLES	DRAFT	AUTO. VOLTAGE REGULATOR			
.XX	.125	1°	1-1/2°	TYPE: AVR-24WBSN026		DAYTON, OHIO U.S.A.	
MATERIAL:		ALL DIMENSIONS APPLY AFTER PLATING		DRAWN BY	DATE	FIRST USED ON	DO NOT SCALE DWG.
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	TIM RAU	6/16/97	WEIGHT APPROX.	CODE IDENT. NO. 83008
		ENGINEER	DATE			SCALE	DWG. NO. 095-1936
						SHEET 1 OF 2	