



THESE DIAGRAMS ATTEMPT TO SHOW SOME OF THE POSSIBLE PATHS OF CURRENT FLOW AS THE DC FIELD COIL ROTATES INSIDE THE STATOR WINDINGS. THE FREQUENCY (MEASURED IN Hz) IS THE TIME IT TAKES TO COMPLETE ONE FULL CYCLE OR SINE WAVE. AT ANY MOMENT IN TIME AT LEAST 2 AND USUALLY 3 DIODES ARE IN USE. THE 3 POSITIVE DIODES ARE MOUNTED ON ONE PLATE AND THE 3 NEGATIVE DIODES ON ANOTHER AND ARE TYPICALLY CALLED POS. OR NEG. DIODE TRIOS.



ELECTRIC BILL
DESIGN SERVICE
TIVERTON, RHODE ISLAND

ALTERNATOR
CHARGING SYSTEM

DATE: 27FEB03	VESSEL: INFORMATION	REV:--
FILE: C/ACAD/ AltChargingSystem	SCALE: NONE	DRAWN BY: BE