



1. DMMF INCLUDES THE FOLLOWING: VOLTS, AMPS, POWER FACTOR, KW
KVA, KVAR, FREQUENCY, KVAH, AND KWH.

60-001 SH 6 ONE LINE DIAGRAM

- SL#-LAMPS, SYNCHRONIZING
SRP-SENSOR, REAL POWER
ST-METER, SYNCHROSCOPE
TG-TRANSFORMER, GROUNDING
VIB-MONITOR, VIBRATION
VT-TRANSFORMER, VOLTAGE
WX-TRANSDUCER, WATT
5BT-BREAKER FAIL RELAY
24M-VOLTH/Hz INVERSE TIME RELAY
24T-RELAY, OVER EXCITATION, GENERATOR VOLTS/HERTZ
25B-B-RELAY, SYNC-CHECK
27-RELAY, UNDERVOLTAGE
32-RELAY, DIRECTIONAL POWER (ANTI-MOTORING)
40-RELAY, FIELD (EXCITATION LOSS)
41-FIELD BREAKER/SUPPRESSOR
46-RELAY, CURRENT UNBALANCE
50/52-2-2-2-OVERCURRENT UNDER VOLTAGE
51V-RELAY, TIME OVERCURRENT, VOLTAGE RESTRAINED
52B-AC CIRCUIT BREAKER, GENERATOR
55-RELAY, OVERVOLTAGE
59N-NEUTRAL, OVERVOLTAGE RELAY
64(RG)-RELAY, GROUND FAULT
64G-RELAY, STATOR GROUNDING
74-RELAY, ALARM
810-U-RELAY, OVER/UNDER FREQUENCY
86G-RELAY, LOCKOUT (SHOWN RESET), GENERATOR
87T-DIFFERENTIAL, PROTECTION RELAY
74-RELAY, TRIP

AVR-AUTO VOLTAGE REGULATOR
 BPF-X-TRANSUDCER, BUS FREQUENCY (RUNNING)
 BTR-X-TRANSUDCER, BUS VOLTAGE (1=INCOMING) (2=RUNNING)
 BCB51-SWITCHER, CIRCUIT BREAKER CONTROL 52b
 C1-TRANSFORMER, CURRENT
 CCS-DISTRIBUTED CONTROL SYSTEM
 GGP-DIGITAL GENERATOR PROTECTION SYSTEM
 GMM-METER, DIGITAL MULTI-FUNCTION
 SMM(15/25)-SYNCHRONIZER, AUTO SPEED
 EXX-TRANSUDCER, EXCITER FIELD CURRENT
 EXN-TRANSUDCER, EXCITER FIELD VOLTAGE
 EXC-EXCITER
 FPP-PANEL, FIRE PROTECTION
 FUEL-CONTROL, FUEL
 GTG-GAS TURBINE GENERATOR
 GYX-TRANSUDCER GENERATOR VOLTAGE
 GR75-RELAY, GIG BUS SYNCHRONIZER ENABLE (52-1)
 GR84-RELAY, CIRCUIT BREAKER CLOSE (52G)
 GR85-RELAY, CIRCUIT BREAKER TRIP (52G)
 GR95/96-RELAY, DEAD BUS (SWITCHGAR BUS A)
 GR114-RELAY, DSM GEN SENSE ENABLE
 A-ARRESTOR, LIGHTNING
 MPM-PERMANENT MAGNET GENERATOR
 R-RESISTOR
 R-RESISTOR, GROUNDING
 T-DETECTOR, RESISTANCE TEMPERATURE
 T-CAPACITOR, SURGE

(SUPPLIED AS PART
OF G.E. PACKAGE)

[illegible]

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ProEnergy EPC Services, LLC			
ONE LINE DIAGRAM			
GTG 300, LM-2500 PROTECTION			
TACOA POWER PLANT			
REVISIONS	DWG. NO.	SIT. NO.	VENUEZIA
0906	60-001	7	B