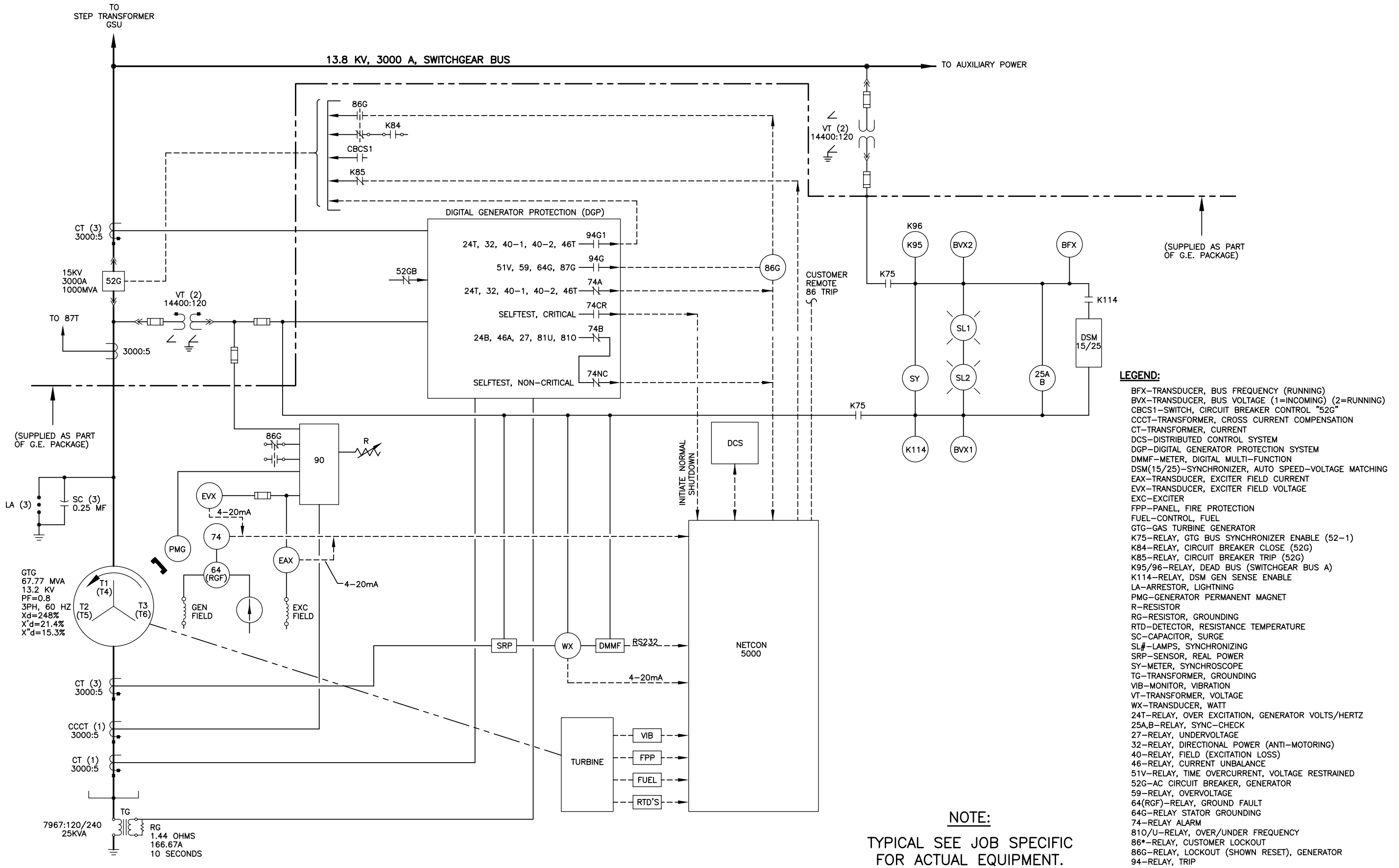

NOTE:

TYPICAL SEE JOB SPECIFIC FOR ACTUAL EQUIPMENT.

LEGEND:

BFX–TRANSDUCER, BUS FREQUENCY (RUNNING)
BVX–TRANSDUCER, BUS VOLTAGE (1=INCOMING) (2=RUNNING)
CBCS1–SWITCH, CIRCUIT BREAKER CONTROL "52G"
CCCT–TRANSFORMER, CROSS CURRENT COMPENSATION
CT–TRANSFORMER, CURRENT
DCS–DISTRIBUTED CONTROL SYSTEM
DGP–DIGITAL GENERATOR PROTECTION SYSTEM
DMMF–METER, DIGITAL MULTI–FUNCTION
DSM(15/25)–SYNCHRONIZER, AUTO SPEED–VOLTAGE MATCHING
EAX–TRANSDUCER, EXCITER FIELD CURRENT
EVX–TRANSDUCER, EXCITER FIELD VOLTAGE
EXC–EXCITER
FPP–PANEL, FIRE PROTECTION
FUEL–CONTROL, FUEL
GTG–GAS TURBINE GENERATOR
K75–RELAY, GTG BUS SYNCHRONIZER ENABLE (52–1)
K84–RELAY, CIRCUIT BREAKER CLOSE (52G)
K85–RELAY, CIRCUIT BREAKER TRIP (52G)
K95/96–RELAY, DEAD BUS (SWITCHGEAR BUS A)
K114–RELAY, DSM GEN SENSE ENABLE
LA–ARRESTOR, LIGHTNING
PMG–GENERATOR PERMANENT MAGNET
R–RESISTOR
RG–RESISTOR, GROUNDING
RTD–DETECTOR, RESISTANCE TEMPERATURE
SC–CAPACITOR, SURGE
SL#–LAMPS, SYNCHRONIZING
SRP–SENSOR, REAL POWER
SY–METER, SYNCHROSCOPE
TG–TRANSFORMER, GROUNDING
VIB–MONITOR, VIBRATION
VT–TRANSFORMER, VOLTAGE
WX–TRANSDUCER, WATT
24T–RELAY, OVER EXCITATION, GENERATOR VOLTS/HERTZ
25A,B–RELAY, SYNC–CHECK
27–RELAY, UNDERVOLTAGE
32–RELAY, DIRECTIONAL POWER (ANTI–MOTORING)
40–RELAY, FIELD (EXCITATION LOSS)
46–RELAY, CURRENT UNBALANCE
51V–RELAY, TIME OVERCURRENT, VOLTAGE RESTRAINED
52G–AC CIRCUIT BREAKER, GENERATOR
59–RELAY, OVERVOLTAGE
64(RGF)–RELAY, GROUND FAULT
64G–RELAY STATOR GROUNDING
74–RELAY ALARM
81O/U–RELAY, OVER/UNDER FREQUENCY
86*–RELAY, CUSTOMER LOCKOUT
86G–RELAY, LOCKOUT (SHOWN RESET), GENERATOR
94–RELAY, TRIP

REVISED	CUSTOMER INFORMATION

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ONE LINE DIAGRAM
TYPICAL LM–6000 PROTECTION
TACOA POWER PLANT

TACOA — VENEZUELA

JOB. NO.	DWG NO.	SH NO.	REV
T9003–A & B	60–010	2	A