

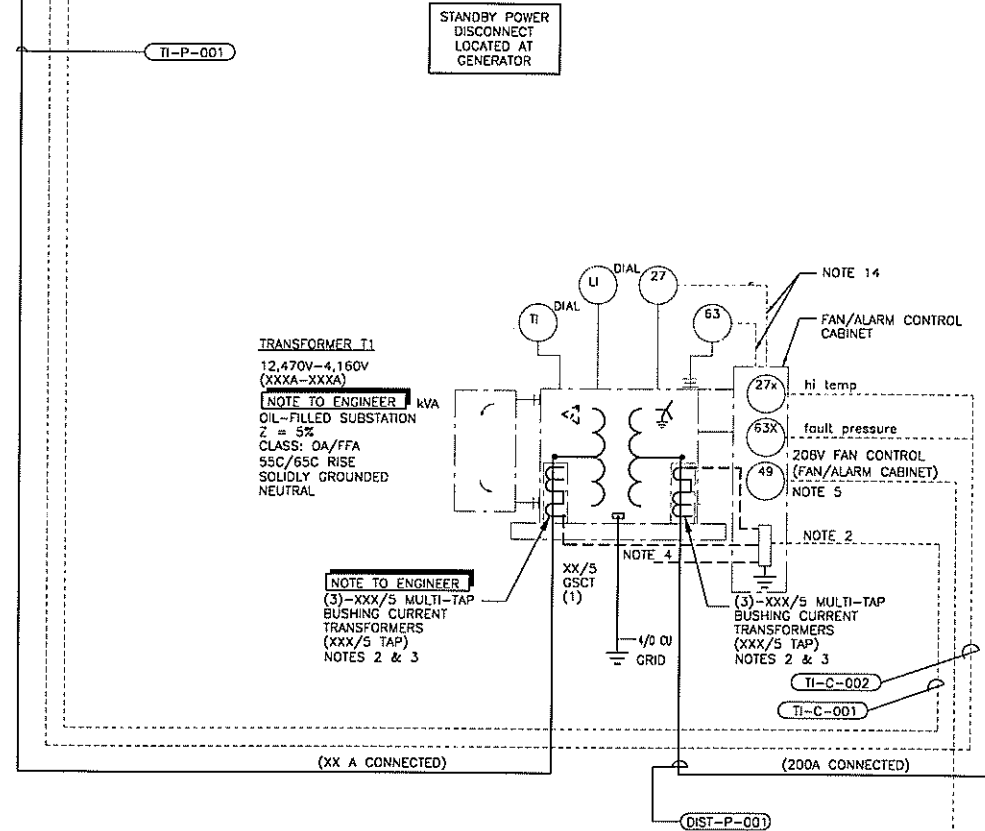
15kV - MSS ELEVATION

5kV - SWITCHGEAR ELEVATION

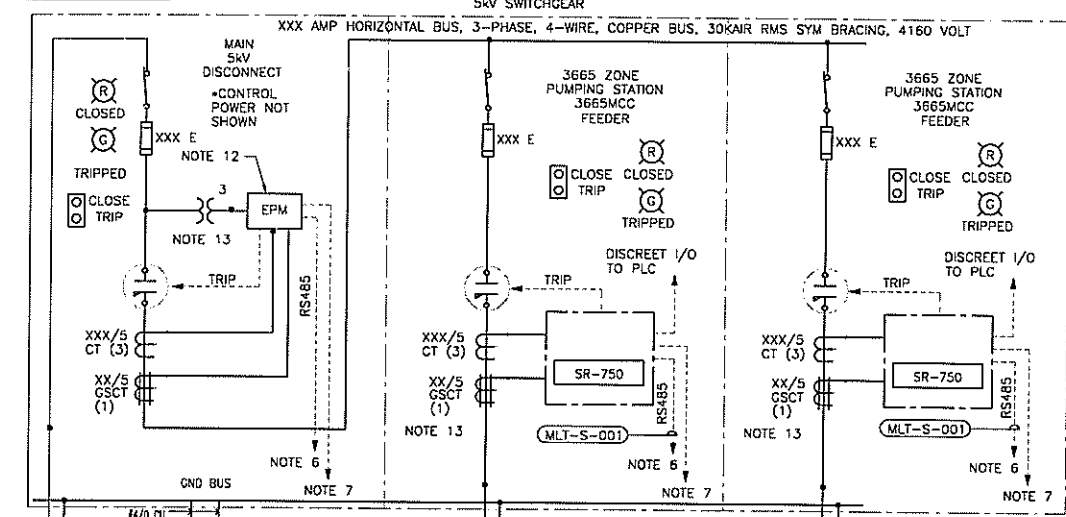
NOTES:

1. FUSED, LOAD-BREAK, STORED ENERGY SWITCH. INSTALL FUSES AS SHOWN.
2. WIRE BUSHING CURRENT XFMR SELECTED TAPS TO 5KV INCOMING CABINET FOR CONNECTION TO DIFFERENTIAL CURRENT RELAY. DIFFERENTIAL RELAY SHALL HAVE ALARM/TRIP CONTACTS
3. CURRENT TRANSFORMERS SHALL BE ANSI ACCURACY CLASS IN ACCORDANCE WITH THE SPECIFICATIONS.
4. GROUND SENSING CURRENT TRANSFORMERS MAY BE SUBSTITUTED WITH XX/X RATIO WHERE REQUIRED BY PROTECTIVE RELAY MODULE.
5. FFA-FUTURE FORCED AIR. INSTALL CONDUCTORS AND CONTROLS FOR FUTURE FANS.
6. SEE BLOCK DIAGRAM FOR NETWORK POWER METERING AND PROTECTIVE DEVICE COMMUNICATIONS ARCHITECTURE.
7. POWER FROM UPS PANEL, 3/C#12. UTILIZE SEPARATE UPS BREAKER FOR EACH DEVICE. HAVE DISCONNECT IN EACH SECTION FOR SERVICING.
8. REFER TO SPEC 16274 FOR XFMR/CONTROL REQUIREMENTS.
9. PROVIDE AND INSTALL KYZ PULSE OUTPUT AND RS-485 (MODBUS) CARDS PER NPCo. INSTALL (2)-4/C#18 SH IN 2" CONDUIT, ONE FOR NPCo KW PULSE TO THE RTU.
10. 15KV POWER STATUS TO RTU, JA-915. REFER TO IB.
11. INSTALL 2-4/C#18 SH FOR EPM & SR-745 IN 2" C TO PLC AND RTU.
12. UTILIZE A EPM OR PQM II IN ACCORDANCE WITH SECTION 16292.
13. ALL PT'S, CPT'S AND CT'S SHALL BE FED BY LOAD SIDE OF ALL SWITCHES. FOR EPM, WIRE GSCT'S TO SEPARATE GROUND FAULT DEVICE AND INTERFACE TO EPM TO FULLFILL NEC 250-95.
14. ALL TRANSFORMER CONTROL WIRING SHALL BE IN CONDUIT OR ARMOR TYPE CABLE.

STANDBY POWER DISCONNECT LOCATED AT GENERATOR



NOTE TO ENGINEER



SHEET NOTE:
SINGLE LINE DIAGRAM DOES NOT SHOW ALL CONDUITS, CONDUCTORS AND TERMINATIONS. REFER TO OTHER DRAWINGS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND ALL BRANCH CIRCUITS AND FEEDERS COMPLY WITH NEC 210-19(A) FPN NO. 4. (CITY OF LAS VEGAS)

THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE AIC RATINGS INDICATED FOR EACH DEVICE IS ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.
NOTE: IN NEW INSTALLATIONS, THE INCOMING FAULT AT THE MAIN IS ALWAYS REQUIRED. (CLV)

DESIGNER NOTE:
WIRE AND CONDUIT SIZES ARE SHOWN FOR REFERENCE ONLY.
ENGINEER TO VERIFY AND UPDATE PARAMETERS PER SPECIFIC PROJECT REQUIREMENTS.

FOR REFERENCE ONLY