

- GENERAL NOTES:**
1. THE SYSTEM SCHEMATIC REFLECTS THE IMPLEMENTATION OF THE SYSTEM CONTROL LOGIC AND SSCS INTERFACE DIAGRAM AND APPLICABLE CATERPILLAR REVISIONS. THE CONTROL LOGIC AND SSCS INTERFACE DIAGRAM AND ITS REVISIONS DOCUMENTATION FOR THE SOLID STATE CONTROL SYSTEM MUST BE USED IN CONJUNCTION WITH THE SYSTEM SCHEMATIC IN EVALUATING CIRCUIT OPERATION.
  2. PORTIONS OF THE SYSTEM SCHEMATIC ARE SHOWN OUT-OF-FUNCTION. THESE OUT-OF-FUNCTION PORTIONS ARE SHOWN FOR INFORMATION WITH REFERENCES PROVIDED TO THE DOCUMENT WHICH CONTROLS THE EQUIPMENT CONFIGURATION.
  3. INTERFACE NUMBERS WERE ASSIGNED TO EACH POINT OF INTERFACE WITH THE SSCS. THESE NUMBERS APPEAR ON THE CONTROL LOGIC AND SSCS INTERFACE DIAGRAM AND THIS SCHEMATIC. ITS PURPOSE IS TO FACILITATE MOVEMENT BETWEEN THESE DOCUMENTS.
  4. SSCS CABLE SHEATHS ARE TERMINATED ON THE SHEATH WOUND OUT LOCATED ADJACENT TO THE TERMINAL BLOCKS. TERMINATION POINTS ON THE GROUND ARE NOT INDICATED TO A SPECIFIC CABLE.
  5. ALL WIRE AND CABLE DESIGNATIONS ARE PRECEDED BY 18B UNLESS OTHERWISE SHOWN.
  6. 18B CONTACTS ARE SHOWN IN THEIR OPEN POSITION AND THEIR DESIGNATION IS SUFFICIENT WITH -IN OR -OUT TO INDICATE THEY ARE CLOSED WHEN THE BREAKER IS RACKED IN OR RACKED OUT RESPECTIVELY.
  7. 6.9KV SWITCHGEAR 17A, 17B, AND 17C INTERFACE TERMINATION POINTS ARE IDENTIFIED BY THE MANUFACTURER'S TERMINAL POINT NUMBER PRECEDED BY TYA'S PANEL DESIGNATION IN PARENTHESES.
  8. SEE SYSTEM 69 CABLE PROGRAM FOR COMPLETE CABLE INFORMATION INCLUDING SPARE CONDUCTORS. ONLY THOSE CONDUCTORS USED OR TERMINATED ARE SHOWN.
  9. FOR DESCRIPTION OF BREAKER OPERATION AND AUXILIARY SWITCH TRUTH TABLE SEE SC0748-01-01.
  10. JUMPER DESIGNATIONS ARE FORMED BY PREFIXING THE J NUMBER SHOWN ON THE SCHEMATIC WITH THE DRID OF THE ENCLOSURE AND THE SYSTEM DESIGNATION EG. EXAMPLE 18B-ENVS-01-5B11.
  11. SPECIFIC ENTRANCES ARE INDICATED FOR CABLES ENTERING EQUIPMENT THAT HAS MORE THAN ONE ENTRANCE PER DIVISION OF SEPARATION. (SEE A3)
  12. CABLES BETWEEN THE MAIN CONTROL ROOM AND SWITCHGEAR, AND BETWEEN THE 18KV DC DISTRIBUTION PANELS AND SWITCHGEAR, HAVE BEEN ROUTED IN SUCH A MANNER AS TO INSURE PHYSICAL SEPARATION BETWEEN NORMAL AND ALTERNATE POWER AND/OR CONTROL CIRCUITS.

**REFERENCE DRAWINGS:**

PLANT AC AUX POW SYS SINGLE LINE	500700-0P
SINGLE LINE DIAGRAM 6.9KV SWITCHGEAR 17A	571722-0B
SINGLE LINE DIAGRAM 6.9KV SWITCHGEAR 17B	571723-0B
SINGLE LINE DIAGRAM 6.9KV SWITCHGEAR 17C	571724-0B
MAIN SINGLE LINE DIAGRAM	571725-0B
SWITCHGEAR	571726-0B
MAIN SINGLE LINE 18KV SWITCHGEAR	571727-0B
TYPICAL SCHEMATICS FOR VOLTAGE SENSITIVE CIRCUITRY	571728-0B
CONTROL LOGIC AND SSCS INTERFACE 6.9KV NORMAL AC AUX POWER DISTRIBUTION SYSTEM	571729-0B
VENTING DIAGRAM 17A-ENVS-01	571730-0B
VENTING DIAGRAM 17B-ENVS-01	571731-0B
VENTING DIAGRAM 17C-ENVS-01	571732-0B
VENTING DIAGRAM 18B-ENVS-01	571733-0B
VENTING DIAGRAM 18C-ENVS-01	571734-0B
VENTING DIAGRAM 18D-ENVS-01	571735-0B
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