

- GENERAL NOTES:**
1. THE SYSTEM SCHEMATIC REFLECTS THE IMPLEMENTATION OF THE SYSTEM CONTROL LOGIC AND SSCS INTERFACE DIAGRAM AND APPLICABLE CATERPILLAR RECOMMENDATIONS. 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. ONLY A CABLE 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
SWITCH AND	
MAIN SINGLE LINE 18KV SWITCHGEAR	571726-0B
TYPICAL SCHEMATICS FOR VOLTAGE SOURCE CMT ARMED	571727-0B
CONTROL LOGIC AND SSCS INTERFACE 6.9KV NORMAL	571728-0B
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
VENTING DIAGRAM 18E-ENVS-01	571736-0B
VENTING DIAGRAM 18F-ENVS-01	571737-0B
VENTING DIAGRAM 18G-ENVS-01	571738-0B
VENTING DIAGRAM 18H-ENVS-01	571739-0B
VENTING DIAGRAM 18I-ENVS-01	571740-0B
VENTING DIAGRAM 18J-ENVS-01	571741-0B
VENTING DIAGRAM 18K-ENVS-01	571742-0B
VENTING DIAGRAM 18L-ENVS-01	571743-0B
VENTING DIAGRAM 18M-ENVS-01	571744-0B
VENTING DIAGRAM 18N-ENVS-01	571745-0B
VENTING DIAGRAM 18O-ENVS-01	571746-0B
VENTING DIAGRAM 18P-ENVS-01	571747-0B
VENTING DIAGRAM 18Q-ENVS-01	571748-0B
VENTING DIAGRAM 18R-ENVS-01	571749-0B
VENTING DIAGRAM 18S-ENVS-01	571750-0B
VENTING DIAGRAM 18T-ENVS-01	571751-0B
VENTING DIAGRAM 18U-ENVS-01	571752-0B
VENTING DIAGRAM 18V-ENVS-01	571753-0B
VENTING DIAGRAM 18W-ENVS-01	571754-0B
VENTING DIAGRAM 18X-ENVS-01	571755-0B
VENTING DIAGRAM 18Y-ENVS-01	571756-0B
VENTING DIAGRAM 18Z-ENVS-01	571757-0B
VENTING DIAGRAM 19A-ENVS-01	571758-0B
VENTING DIAGRAM 19B-ENVS-01	571759-0B
VENTING DIAGRAM 19C-ENVS-01	571760-0B
VENTING DIAGRAM 19D-ENVS-01	571761-0B
VENTING DIAGRAM 19E-ENVS-01	571762-0B
VENTING DIAGRAM 19F-ENVS-01	571763-0B
VENTING DIAGRAM 19G-ENVS-01	571764-0B
VENTING DIAGRAM 19H-ENVS-01	571765-0B
VENTING DIAGRAM 19I-ENVS-01	571766-0B
VENTING DIAGRAM 19J-ENVS-01	571767-0B
VENTING DIAGRAM 19K-ENVS-01	571768-0B
VENTING DIAGRAM 19L-ENVS-01	571769-0B
VENTING DIAGRAM 19M-ENVS-01	571770-0B
VENTING DIAGRAM 19N-ENVS-01	571771-0B
VENTING DIAGRAM 19O-ENVS-01	571772-0B
VENTING DIAGRAM 19P-ENVS-01	571773-0B
VENTING DIAGRAM 19Q-ENVS-01	571774-0B
VENTING DIAGRAM 19R-ENVS-01	571775-0B
VENTING DIAGRAM 19S-ENVS-01	571776-0B
VENTING DIAGRAM 19T-ENVS-01	571777-0B
VENTING DIAGRAM 19U-ENVS-01	571778-0B
VENTING DIAGRAM 19V-ENVS-01	571779-0B
VENTING DIAGRAM 19W-ENVS-01	571780-0B
VENTING DIAGRAM 19X-ENVS-01	571781-0B
VENTING DIAGRAM 19Y-ENVS-01	571782-0B
VENTING DIAGRAM 19Z-ENVS-01	571783-0B
VENTING DIAGRAM 20A-ENVS-01	571784-0B
VENTING DIAGRAM 20B-ENVS-01	571785-0B
VENTING DIAGRAM 20C-ENVS-01	571786-0B
VENTING DIAGRAM 20D-ENVS-01	571787-0B
VENTING DIAGRAM 20E-ENVS-01	571788-0B
VENTING DIAGRAM 20F-ENVS-01	571789-0B
VENTING DIAGRAM 20G-ENVS-01	571790-0B
VENTING DIAGRAM 20H-ENVS-01	571791-0B
VENTING DIAGRAM 20I-ENVS-01	571792-0B
VENTING DIAGRAM 20J-ENVS-01	571793-0B
VENTING DIAGRAM 20K-ENVS-01	571794-0B
VENTING DIAGRAM 20L-ENVS-01	571795-0B
VENTING DIAGRAM 20M-ENVS-01	571796-0B
VENTING DIAGRAM 20N-ENVS-01	571797-0B
VENTING DIAGRAM 20O-ENVS-01	571798-0B
VENTING DIAGRAM 20P-ENVS-01	571799-0B
VENTING DIAGRAM 20Q-ENVS-01	571800-0B
VENTING DIAGRAM 20R-ENVS-01	571801-0B
VENTING DIAGRAM 20S-ENVS-01	571802-0B
VENTING DIAGRAM 20T-ENVS-01	571803-0B
VENTING DIAGRAM 20U-ENVS-01	571804-0B
VENTING DIAGRAM 20V-ENVS-01	571805-0B
VENTING DIAGRAM 20W-ENVS-01	571806-0B
VENTING DIAGRAM 20X-ENVS-01	571807-0B
VENTING DIAGRAM 20Y-ENVS-01	571808-0B
VENTING DIAGRAM 20Z-ENVS-01	571809-0B
VENTING DIAGRAM 21A-ENVS-01	571810-0B
VENTING DIAGRAM 21B-ENVS-01	571811-0B
VENTING DIAGRAM 21C-ENVS-01	571812-0B
VENTING DIAGRAM 21D-ENVS-01	571813-0B
VENTING DIAGRAM 21E-ENVS-01	571814-0B
VENTING DIAGRAM 21F-ENVS-01	571815-0B
VENTING DIAGRAM 21G-ENVS-01	571816-0B
VENTING DIAGRAM 21H-ENVS-01	571817-0B
VENTING DIAGRAM 21I-ENVS-01	571818-0B
VENTING DIAGRAM 21J-ENVS-01	571819-0B
VENTING DIAGRAM 21K-ENVS-01	571820-0B
VENTING DIAGRAM 21L-ENVS-01	571821-0B
VENTING DIAGRAM 21M-ENVS-01	571822-0B
VENTING DIAGRAM 21N-ENVS-01	571823-0B
VENTING DIAGRAM 21O-ENVS-01	571824-0B
VENTING DIAGRAM 21P-ENVS-01	571825-0B
VENTING DIAGRAM 21Q-ENVS-01	571826-0B
VENTING DIAGRAM 21R-ENVS-01	571827-0B
VENTING DIAGRAM 21S-ENVS-01	571828-0B
VENTING DIAGRAM 21T-ENVS-01	571829-0B
VENTING DIAGRAM 21U-ENVS-01	571830-0B
VENTING DIAGRAM 21V-ENVS-01	571831-0B
VENTING DIAGRAM 21W-ENVS-01	571832-0B
VENTING DIAGRAM 21X-ENVS-01	571833-0B
VENTING DIAGRAM 21Y-ENVS-01	571834-0B
VENTING DIAGRAM 21Z-ENVS-01	571835-0B
VENTING DIAGRAM 22A-ENVS-01	571836-0B
VENTING DIAGRAM 22B-ENVS-01	571837-0B
VENTING DIAGRAM 22C-ENVS-01	571838-0B
VENTING DIAGRAM 22D-ENVS-01	571839-0B
VENTING DIAGRAM 22E-ENVS-01	571840-0B
VENTING DIAGRAM 22F-ENVS-01	571841-0B
VENTING DIAGRAM 22G-ENVS-01	571842-0B
VENTING DIAGRAM 22H-ENVS-01	571843-0B
VENTING DIAGRAM 22I-ENVS-01	571844-0B
VENTING DIAGRAM 22J-ENVS-01	571845-0B
VENTING DIAGRAM 22K-ENVS-01	571846-0B
VENTING DIAGRAM 22L-ENVS-01	571847-0B
VENTING DIAGRAM 22M-ENVS-01	571848-0B
VENTING DIAGRAM 22N-ENVS-01	571849-0B
VENTING DIAGRAM 22O-ENVS-01	571850-0B
VENTING DIAGRAM 22P-ENVS-01	571851-0B
VENTING DIAGRAM 22Q-ENVS-01	571852-0B
VENTING DIAGRAM 22R-ENVS-01	571853-0B
VENTING DIAGRAM 22S-ENVS-01	571854-0B
VENTING DIAGRAM 22T-ENVS-01	571855-0B
VENTING DIAGRAM 22U-ENVS-01	571856-0B
VENTING DIAGRAM 22V-ENVS-01	571857-0B
VENTING DIAGRAM 22W-ENVS-01	571858-0B
VENTING DIAGRAM 22X-ENVS-01	571859-0B
VENTING DIAGRAM 22Y-ENVS-01	571860-0B
VENTING DIAGRAM 22Z-ENVS-01	571861-0B
VENTING DIAGRAM 23A-ENVS-01	571862-0B
VENTING DIAGRAM 23B-ENVS-01	571863-0B
VENTING DIAGRAM 23C-ENVS-01	571864-0B
VENTING DIAGRAM 23D-ENVS-01	571865-0B
VENTING DIAGRAM 23E-ENVS-01	571866-0B
VENTING DIAGRAM 23F-ENVS-01	571867-0B
VENTING DIAGRAM 23G-ENVS-01	571868-0B
VENTING DIAGRAM 23H-ENVS-01	571869-0B
VENTING DIAGRAM 23I-ENVS-01	571870-0B
VENTING DIAGRAM 23J-ENVS-01	571871-0B
VENTING DIAGRAM 23K-ENVS-01	571872-0B
VENTING DIAGRAM 23L-ENVS-01	571873-0B
VENTING DIAGRAM 23M-ENVS-01	571874-0B
VENTING DIAGRAM 23N-ENVS-01	571875-0B
VENTING DIAGRAM 23O-ENVS-01	571876-0B
VENTING DIAGRAM 23P-ENVS-01	571877-0B
VENTING DIAGRAM 23Q-ENVS-01	571878-0B
VENTING DIAGRAM 23R-ENVS-01	571879-0B
VENTING DIAGRAM 23S-ENVS-01	571880-0B
VENTING DIAGRAM 23T-ENVS-01	571881-0B
VENTING DIAGRAM 23U-ENVS-01	571882-0B
VENTING DIAGRAM 23V-ENVS-01	571883-0B
VENTING DIAGRAM 23W-ENVS-01	571884-0B
VENTING DIAGRAM 23X-ENVS-01	571885-0B
VENTING DIAGRAM 23Y-ENVS-01	571886-0B
VENTING DIAGRAM 23Z-ENVS-01	571887-0B
VENTING DIAGRAM 24A-ENVS-01	571888-0B
VENTING DIAGRAM 24B-ENVS-01	571889-0B
VENTING DIAGRAM 24C-ENVS-01	571890-0B
VENTING DIAGRAM 24D-ENVS-01	571891-0B
VENTING DIAGRAM 24E-ENVS-01	571892-0B
VENTING DIAGRAM 24F-ENVS-01	571893-0B
VENTING DIAGRAM 24G-ENVS-01	571894-0B
VENTING DIAGRAM 24H-ENVS-01	571895-0B
VENTING DIAGRAM 24I-ENVS-01	571896-0B
VENTING DIAGRAM 24J-ENVS-01	571897-0B
VENTING DIAGRAM 24K-ENVS-01	571898-0B
VENTING DIAGRAM 24L-ENVS-01	571899-0B
VENTING DIAGRAM 24M-ENVS-01	571900-0B
VENTING DIAGRAM 24N-ENVS-01	571901-0B
VENTING DIAGRAM 24O-ENVS-01	571902-0B
VENTING DIAGRAM 24P-ENVS-01	571903-0B
VENTING DIAGRAM 24Q-ENVS-01	571904-0B
VENTING DIAGRAM 24R-ENVS-01	571905-0B
VENTING DIAGRAM 24S-ENVS-01	571906-0B
VENTING DIAGRAM 24T-ENVS-01	571907-0B
VENTING DIAGRAM 24U-ENVS-01	571908-0B
VENTING DIAGRAM 24V-ENVS-01	571909-0B
VENTING DIAGRAM 24W-ENVS-01	571910-0B
VENTING DIAGRAM 24X-ENVS-01	571911-0B
VENTING DIAGRAM 24Y-ENVS-01	571912-0B
VENTING DIAGRAM 24Z-ENVS-01	571913-0B
VENTING DIAGRAM 25A-ENVS-01	571914-0B
VENTING DIAGRAM 25B-ENVS-01	571915-0B
VENTING DIAGRAM 25C-ENVS-01	571916-0B
VENTING DIAGRAM 25D-ENVS-01	571917-0B
VENTING DIAGRAM 25E-ENVS-01	571918-0B
VENTING DIAGRAM 25F-ENVS-01	571919-0B
VENTING DIAGRAM 25G-ENVS-01	571920-0B
VENTING DIAGRAM 25H-ENVS-01	571921-0B
VENTING DIAGRAM 25I-ENVS-01	571922-0B
VENTING DIAGRAM 25J-ENVS-01	571923-0B
VENTING DIAGRAM 25K-ENVS-01	571924-0B
VENTING DIAGRAM 25L-ENVS-01	571925-0B
VENTING DIAGRAM 25M-ENVS-01	571926-0B
VENTING DIAGRAM 25N-ENVS-01	571927-0B
VENTING DIAGRAM 25O-ENVS-01	571928-0B
VENTING DIAGRAM 25P-ENVS-01	571929-0B
VENTING DIAGRAM 25Q-ENVS-01	571930-0B
VENTING DIAGRAM 25R-ENVS-01	571931-0B
VENTING DIAGRAM 25S-ENVS-01	571932-0B
VENTING DIAGRAM 25T-ENVS-01	571933-0B
VENTING DIAGRAM 25U-ENVS-01	571934-0B
VENTING DIAGRAM 25V-ENVS-01	571935-0B
VENTING DIAGRAM 25W-ENVS-01	571936-0B
VENTING DIAGRAM 25X-ENVS-01	571937-0B
VENTING DIAGRAM 25Y-ENVS-01	571938-0B
VENTING DIAGRAM 25Z-ENVS-01	571939-0B
VENTING DIAGRAM 26A-ENVS-01	571940-0B
VENTING DIAGRAM 26B-ENVS-01	571941-0B
VENTING DIAGRAM 26C-ENVS-01	571942-0B
VENTING DIAGRAM 26D-ENVS-01	571943-0B
VENTING DIAGRAM 26E-ENVS-01	571944-0B
VENTING DIAGRAM 26F-ENVS-01	571945-0B
VENTING DIAGRAM 26G-ENVS-01	571946-0B
VENTING DIAGRAM 26H-ENVS-01	571947-0B
VENTING DIAGRAM 26I-ENVS-01	571948-0B
VENTING DIAGRAM 26J-ENVS-01	571949-0B
VENTING DIAGRAM 26K-ENVS-01	571950-0B
VENTING DIAGRAM 26L-ENVS-01	571951-0B
VENTING DIAGRAM 26M-ENVS-01	571952-0B
VENTING DIAGRAM 26N-ENVS-01	571953-0B
VENTING DIAGRAM 26O-ENVS-01	571954-0B
VENTING DIAGRAM 26P-ENVS-01	571955-0B
VENTING DIAGRAM 26Q-ENVS-01	571956-0B
VENTING DIAGRAM 26R-ENVS-01	571957-0B
VENTING DIAGRAM 26S-ENVS-01	571958-0B
VENTING DIAGRAM 26T-ENVS-01	571959-0B
VENTING DIAGRAM 26U-ENVS-01	571960-0B
VENTING DIAGRAM 26V-ENVS-01	571961-0B
VENTING DIAGRAM 26W-ENVS-01	571962-0B
VENTING DIAGRAM 26X-ENVS-01	571963-0B
VENTING DIAGRAM 26Y-ENVS-01	571964-0B
VENTING DIAGRAM 26Z-ENVS-01	571965-0B
VENTING DIAGRAM 27A-ENVS-01	571966-0B
VENTING DIAGRAM 27B-ENVS-01	571967-0B
VENTING DIAGRAM 27C-ENVS-01	571968-0B
VENTING DIAGRAM 27D-ENVS-01	571969-0B
VENTING DIAGRAM 27E-ENVS-01	571970-0B
VENTING DIAGRAM 27F-ENVS-01	571971-0B
VENTING DIAGRAM 27G-ENVS-01	571972-0B
VENTING DIAGRAM 27H-ENVS-01	571973-0B
VENTING DIAGRAM 27I-ENVS-01	571974-0B
VENTING DIAGRAM 27J-ENVS-01	571975-0B
VENTING DIAGRAM 27K-ENVS-01	571976-0B
VENTING DIAGRAM 27L-ENVS-01	571977-0B
VENTING DIAGRAM 27M-ENVS-01	571978-0B
VENTING DIAGRAM 27N-ENVS-01	571979-0B
VENTING DIAGRAM 27O-ENVS-01	571980-0B
VENTING DIAGRAM 27P-ENVS-01	571981-0B
VENTING DIAGRAM 27Q-ENVS-01	571982-0B
VENTING DIAGRAM 27R-ENVS-01	571983-0B
VENTING DIAGRAM 27S-ENVS-01	571984-0B
VENTING DIAGRAM 27T-ENVS-01	571985-0B
VENTING DIAGRAM 27U-ENVS-01	571986-0B
VENTING DIAGRAM 27V-ENVS-01	571987-0B
VENTING DIAGRAM 27W-ENVS-01	571988-0B
VENTING DIAGRAM 27X-ENVS-01	571989-0B
VENTING DIAGRAM 27Y-ENVS-01	571990-0B
VENTING DIAGRAM 27Z-ENVS-01	571991-0B
VENTING DIAGRAM 28A-ENVS-01	571992-0B
VENTING DIAGRAM 28B-ENVS-01	571993-0B
VENTING DIAGRAM 28C-ENVS-01	571994-0B
VENTING DIAGRAM 28D-ENVS-01	571995-0B
VENTING DIAGRAM 28E-ENVS-01	571996-0B
VENTING DIAGRAM 28F-ENVS-01	571997-0B
VENTING DIAGRAM 28G-ENVS-01	571998-0B
VENTING DIAGRAM 28H-ENVS-01	571999-0B
VENTING DIAGRAM 28I-ENVS-01	572000-0B
VENTING DIAGRAM 28J-ENVS-01	572001-0B
VENTING DIAGRAM 28K-ENVS-01	572002-0B
VENTING DIAGRAM 28L-ENVS-01	572003-0B
VENTING DIAGRAM 28M-ENVS-01	572004-0B
VENTING DIAGRAM 28N-ENVS-01	572005-0B
VENTING DIAGRAM 28O-ENVS-01	572006-0B
VENTING DIAGRAM 28P-ENVS-01	572007-0B
VENTING DIAGRAM 28Q-ENVS-01	572008-0B
VENTING DIAGRAM 28R-ENVS-01	572009-0B
VENTING DIAGRAM 28S-ENVS-01	572010-0B
VENTING DIAGRAM 28T-ENVS-01	572011-0B
VENTING DIAGRAM 28U-ENVS-01	572012-0B
VENTING DIAGRAM 28V-ENVS-01	572013-0B
VENTING DIAGRAM 28W-ENVS-01	572014-0B
VENTING DIAGRAM 28X-ENVS-01	572015-0B
VENTING DIAGRAM 28Y-ENVS-01	572016-0B
VENTING DIAGRAM 28Z-ENVS-01	572017-0B
VENTING DIAGRAM 29A-ENVS-01	572018-0B
VENTING DIAGRAM 29B-ENVS-01	572019-0B
VENTING DIAGRAM 29C-ENVS-01	572020-0B
VENTING DIAGRAM 29D-ENVS-01	572021-0B
VENTING DIAGRAM 29E-ENVS-01	572022-0B
VENTING DIAGRAM 29F-ENVS-01	572023-0B
VENTING DIAGRAM 29G-ENVS-01	572024-0B
VENTING DIAGRAM 29H-ENVS-01	572025-0B
VENTING DIAGRAM 29I-ENVS-01	572026-0B