

- LEGEND**
- AND PRODUCES AN OUTPUT ONLY WHEN EVERY INPUT IS PRESENT
  - OR PRODUCES AN OUTPUT WHEN ONE (OR MORE) INPUT IS PRESENT
  - NOT PRODUCES AN OUTPUT ONLY WHEN NO INPUT IS PRESENT
  - TIME DELAY INPUT PRODUCES OUTPUT AFTER ... SEC TIME DELAY
  - OUTPUT IS WIRED OUT AFTER ... SEC EVEN IF INPUT CONTINUES TO BE PRESENT
  - ANNUNCIATOR
  - COMPUTER
  - INDICATING LIGHT
  - EMERGENCY BOARD SECTION (A/B-1)
  - 48KV ESF SWITCHGEAR (SEE NOTE 1)
  - DIESEL GEN. CONTROL PANEL SA/S

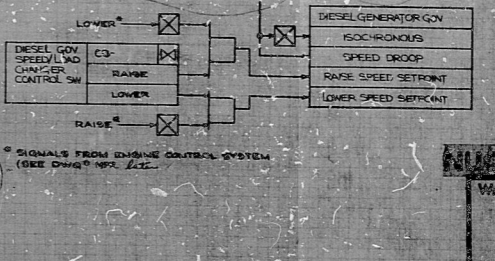
- NOTES**
- 1 SYMBOL (E) REFERS TO 48KV ESF SWITCHGEAR UNLESS OTHERWISE NOTED
  - 2 DIESEL GENERATOR WILL START AUTOMATICALLY BY ACTION OF UNDERVOLTAGE RELAY OR BY ANY ENGINEERING SAFEGUARD SIGNAL WHEN UP TO SPEED & JUST BEFORE DIESEL GENERATOR BREAKER WILL CLOSE IF THE BUS IS DEENERGIZED. MANUAL PARALLELING OF TRIP AND EMERGENCY SOURCES IS PROVIDED ONLY FOR TESTING. SOURCES MAY REMAIN PARALLELED FOR EXTENDED PERIODS. SYNCHRONIZING SWITCHES ARE PROVIDED TO ENSURE SYNCHRONISM BEFORE CLOSING THE DIESEL GENERATOR BREAKER OR THE BREAKER.

**REFERENCE DRAWINGS**  
 MAIN ONE LINE DIAGRAM SA/S G-5004  
 UNIT AND ASSEMBLY LOGIC DIAG. G-5011

WPPSS QUALITY CLASS I

PRC APERTURE CARD

DIESEL GENERATOR (A-SA) (TYPICAL FOR (B-SB))



\* SIGNALS FROM ENGINE CONTROL SYSTEM (SEE DIAG. G-5011)

NO.	DATE	DESCRIPTION	BY	CHK.	APP.
2	5-5-76	REVISED ON REVISION NUMBER CHANGED FROM 001 TO 002 BY THE DESIGN ENGINEER AND REVISION NUMBER CHANGED FROM 001 TO 002 BY THE DESIGN ENGINEER			
1	3-19-76	DESIGNED AND DRAWN BY THE DESIGN ENGINEER			

**RELATED**

WPPSS NUCLEAR POWER SUPPLY SYSTEM  
 NUCLEAR PROJECTS NO 3 BS  
 150-1500 MW REACTOR  
 150-1500 MW DISTRIBUTION

**DIESEL GENERATOR SYSTEM**  
 LOGIC DIAGRAM

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 1500 W. 15TH ST. SUITE 100  
 DENVER, CO 80202  
 WPPSS-3240  
 G-5055

RIDS

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