

- NOTES:
- SEE DRAWINGS 26W0900-10-1 THROUGH 4 FOR EXPLANATION OF SYMBOLS.
  - DIAGRAM IS SHOWN FOR UNIT 1 TRAIN B. UNIT 2 IS TYPICAL UNLESS OTHERWISE NOTED. UNIT 2 UMD NO. SHOWN IN ( ).
  - THE FOLLOWING TABLE CONTAINS THE DIESEL GEN ANNUNCIATION POINTS TO BE MONITORED, AND THE ANNUNCIATION SYSTEMS TO WHICH THESE POINTS INPUT. ALL D.S. ANN. POINTS LISTED BELOW ARE ISOLATED THROUGH IX-1501-15-9 BEFORE BEING INPUT INTO MONITORING SYSTEMS.

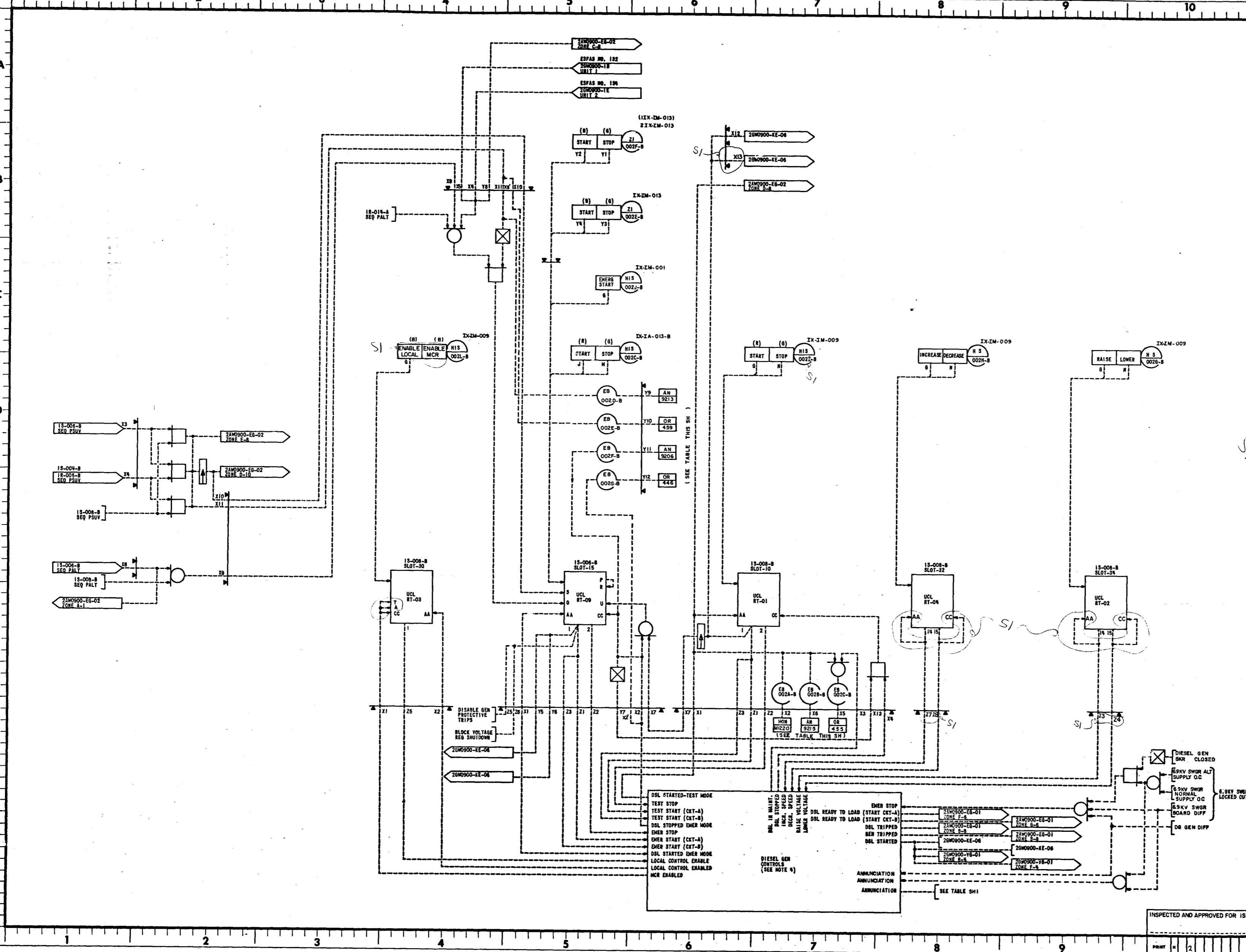
DESCRIPTION	IM-9	U1	U2
	OR	OR	OR
1 UNIT NOT AVAILABLE FOR EMER OPER	0201	W320	
2 DC CONT PWR LOSS	0202		
3 AC CONT PWR LOSS	0204	442	498
4 FUEL OIL PUMPS CONT SWM NOT IN AUTO	0204		
5 DIESEL IN MAINTENANCE	0209	W322	408 604
6 DIESEL IN TEST	0210	W322	
7 EMER STOP	0208	448	492
8 DIESEL IN EMERGENCY OPERATION	0208	439	483
9 TEST MODE PROTECTIVE TRIPS BYPASSED	0209		
10 GENERATOR DIFFERENTIAL	0210	444	490
11 6.9KV SWGR BUS FAILURE	0211		
12 ENGINE OVERSPEED	0202	447	493
13 DIESEL GEN SUBSEQUENT UNDERVOLTAGE	0203	469	003
14 DIESEL STARTING	0208	487	503
15 DIESEL TRIPPED	0207	488	504
16 UNIT FAILED TO START	0218	440	486
17 LOSS OF OVERSPEED PROTECTION	0209	443	489
18 LUBE OIL TEMP HIGH	0220	443	489
19 LUBE OIL PRESS LOW	0221	449	494
20 CRANKCASE PRESS HIGH	0222	458	498
21 VIBRATION HIGH	0223	445	491
22 GENERATOR FAULT	0224	483	496
23 JACKET WATER OUTLET TEMP HIGH	0225	481	492
24 JACKET WATER PRESS LOW	0226	454	501
25 BEARING TEMP HIGH	0227	484	500
26 TURBOCHARGER OIL PRESS LOW	0228	460	496
27 GEN STATOR TEMP HIGH	0229	441	487
28 GEN OVERCURRENT	0230	438	484
29 GROUND FAULT	0231	437	483
30 STARTING AIR PRESS LOW	0203		
31 VOLTAGE REGULATOR SYS TROUBLE	0232		
32 ENGINE TROUBLE	0233		
33 GEN PROTECTIVE RELAYS VOLT TROUBLE	0230		

- FOR OPERATION OF DIESEL CONTROLS SEE TVA CONTRACT 76K61-66181.
- FOR DIESEL GENERATOR SYNCOSCOPE AND OTHER IM-9 DIESEL GENERATOR METERS SEE 26W0900-EG-04 ZONE F-5

REFERENCE DRAWINGS:  
CID 260910-RT.

**APERTURE CARD**  
 Docket # 50-438  
 Control # 820750064  
 Date *George* of Document  
 REGULATORY DOCKET FILE

MINOR CHANGE	NO.	ECN NO.	DATE	DESIGN	CHKD	SUPV	ENGR	INSP	APPROV
DESIGN	L.W. PORTER							INSP	
CHKD	E.L. BEAM								
SUPV	E.B. JULLY							ENGINEER	<i>L. J. Perry</i>
SCALE: NTS EXCEPT AS NOTED									
POWERHOUSE UNITS 1&2									
FUNCTIONAL CONT LOGIC DIAG STANDBY DIESEL GENERATOR CONTROLS SYSTEM									
BELLEFONTE NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY DIVISION OF ENGINEERING DESIGN									
SUBMITTED	RECOMMENDED	APPROVED							
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>							
KNOXVILLE 1-3-80			88	E	26W0900-RT-2	RI			



ANNUNCIATION ANNUNCIATION

21 002F-B	21 002E-B	21 002C-B	21 002B-B	21 002A-B
21 002F-B	21 002E-B	21 002C-B	21 002B-B	21 002A-B
21 002F-B	21 002E-B	21 002C-B	21 002B-B	21 002A-B
21 002F-B	21 002E-B	21 002C-B	21 002B-B	21 002A-B

DISABLE GEN PROTECTIVE TRIPS

21 002F-B	21 002E-B	21 002C-B	21 002B-B	21 002A-B
21 002F-B	21 002E-B	21 002C-B	21 002B-B	21 002A-B
21 002F-B	21 002E-B	21 002C-B	21 002B-B	21 002A-B
21 002F-B	21 002E-B	21 002C-B	21 002B-B	21 002A-B

INSPECTED AND APPROVED FOR ISSUE

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