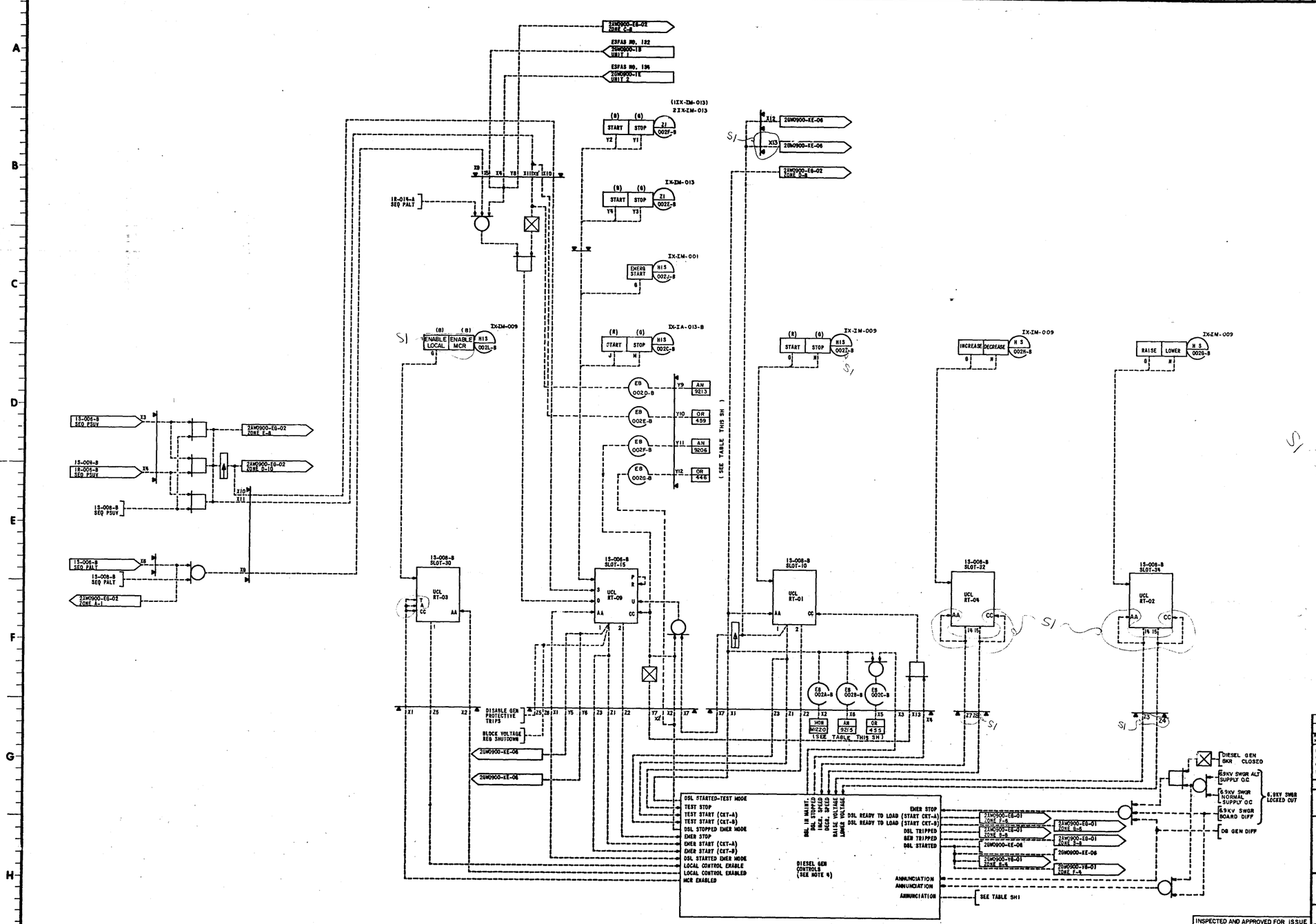

NOTES:

1. SEE DRAWINGS 2GW0900-IO-1 THROUGH 4 FOR EXPLANATION OF SYMBOLS.
2. DIAGRAM IS SHOWN FOR UNIT 1 TRAIN B. UNIT 2 IS TYPICAL UNLESS OTHERWISE NOTED. UNIT 2 UMD No. SHOWN IN ( ).
3. THE FOLLOWING TABLE CONTAINS THE DIESEL GEN ANNUNCIATION POINTS TO BE MONITORED, AND THE ANNUNCIATION SYSTEMS TO WHICH THESE POINTS INPUT. ALL D.G. ANN. POINTS LISTED BELOW ARE ISOLATED THROUGH 1IX-ISOL-159-B BEFORE BEING INPUT INTO MONITORING SYSTEMS.

	DESCRIPTION	IM-9	BEAMS	U1 OR	U2 OR
1	UNIT NOT AVAILABLE FOR EMER OPER	9201	M1304		
2	DC CONT PWR LOSS	9202			
3	AC CONT PWR LOSS	9204		442	488
4	FUEL OIL PMPS CONT SWS NOT IN AUTO	9204			
5	DIESEL IN MAINTENANCE	9205	M1325		
6	DIESEL IN TEST	9215	M1326	488	501
7	EMER STOP	9206		446	492
8	DIESEL IN EMERGENCY OPERATION	9208		439	483
9	TEST MODE PROTECTIVE TRIPS BYPASSED	9209			
10	GENERATOR DIFFERENTIAL	9210		444	490
11	6.9KV SWGR BUS FAILURE	9211			
12	ENGINE OVERSPEED	9212		447	495
13	DIESEL GEN SUBSEQUENT UNDERVOLTAGE	9213		459	505
14	DIESEL STARTING	9216		487	503
15	DIESEL TRIPPED	9217		488	504
16	UNIT FAILED TO START	9218		440	486
17	LOSS OF OVERSPEED PROTECTION	9219		441	489
18	LUBE OIL TEMP HIGH	9220		442	498
19	LUBE OIL PRESS LOW	9221		443	499
20	CRANKCASE PRESS HIGH	9222		452	498
21	VIBRATION HIGH	9223		445	494
22	GENERATOR FAULT	9224		453	496
23	JACKET WATER OUTLET TEMP HIGH	9225		451	497
24	JACKET WATER PRESS LOW	9226		456	502
25	BEARING TEMP HIGH	9227		454	500
26	TURBOCHARGER OIL PRESS LOW	9228		450	496
27	GEN STATOR TEMP HIGH	9229		441	487
28	GEN OVERCURRENT	9230		438	484
29	GROUND FAULT	9231		437	483
30	STARTING AIR PRESS LOW	9232			
31	VOLTAGE REGULATOR SYS TROUBLE	9232			
32	ENGINE TROUBLE	9233			
33	GEN PROTECTIVE RELAYS VOLT TROUBLE	9236			

4. FOR OPERATION OF DIESEL CONTROLS SEE TVA CONTRACT 76K61-86181.
5. FOR DIESEL GENERATOR SYNCOSCOPE AND OTHER IM-9 DIESEL GENERATOR METERS SEE 2AW0900-EG-04 ZONE F-5

REFERENCE DRAWINGS:
CID 2080910-RT-

APERTURE CARD
Docket # 50-438
Control # 8202080064
Date 820202 of Document
REGULATORY DOCKET FILE

REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBM	RECM	APPD
1	SI	4-30-81									

MINOR CHANGE

DSGN L.W. PORTER
DRWN R.L. BEAM
CHKD J.B. JOLLEY
SUPV W.H. GANDY
INSP
ENGINEER

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

Q

SUBMITTED / RECOMMENDED / APPROVED

KNOXVILLE | 1-3-80 | 88 | E | 2GW0900-RT-2 | R1

RECORD DRAWING AS CONSTRUCTED

INSPECTED AND APPROVED FOR ISSUE

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