



GENERAL ELECTRICAL 729627AC
 HIGH PRESSURE COOLANT INJECTION SYS
 HOPE CREEK 2305130AC 01,62 E41-1030

- NOTES:
1. THE HPCI SYS IS ARRANGED FOR TEST OF PUMP AT FULL FLOW CAPACITY AT ANY TIME EXCEPT WHEN INITIATION SIGNAL OR AUTO ISOLATION SIGNAL IS ACTIVATED. IN EVENT THE INITIATION SIGNAL OCCURS WHILE TEST IS UNDERWAY THE SYS AUTOMATICALLY RETURNS TO START-UP MODE.
 2. ALL POWER FOR OPERATION OF D.C. VALVE MOTORS SHALL ORIGINATE FROM A PLANT D.C. BUS. POWER FOR A.C. MOTOR OPERATED VALVES SHALL ORIGINATE FROM AN EMERGENCY A.C. BUS.
 3. ALL EQUIPMENT AND INSTRUMENTS ARE PREFIXED BY SYS. (E-4) UNLESS OTHERWISE NOTED.
 4. AUXILIARY RELAYS & DEVICES NOT SHOWN FGD'S EXCEPT WHERE REQUIRED TO CLARIFY FUNCTION.
 5. ISOLATION SIGNAL SWITCHES SHALL BE OF THE TYPE THAT CLOSE CONTACTS FOR THE SPECIFIED ISOLATION EVENT. WHERE AUX RELAYS ARE USED IN THE ISOLATION CHANNELS THEY SHALL BE POWERED FROM THE STATION BATTERIES (REF. 14).
 6. THE HPCI SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH CRITERIA FOR NUCLEAR POWER PLANT PROTECTION SYSTEM IEC 279 INsofar AS PRACTICABLE.
 7. ALL MOTORS SHALL BE PROTECTED BY TYPICAL OVERLOAD TRIPS AND BREAKER SHORT CIRCUIT CURRENT PROTECTIVE TRIPS.
 8. LAMPS TO BE LOCATED BELOW REGULAR HPCI ANNUNCIATORS. LOAD AS SHOWN LAMPS TO BE "PUSH TO TEST" TYPE.
 9. SWITCH TO BE LOCATED BELOW LAMPS. SWITCH TO BE 2 POSITION "NORMAL" - "INOP".

REFERENCE DOCUMENTS:

NO.	DOCUMENT TITLE	MPL ITEM NO.
1.	NUCLEAR BOILER P & ID	821-100
2.	NUCLEAR BOILER MISC. SYS. FGD	821-1030
3.	RNR SYSTEM P & ID	E11-1010
4.	RNR SYSTEM FGD	E11-1030
5.	CORE SPRAY SYSTEM FGD	E21-1030
6.	HPCI SYSTEM P & ID	E41-1010
7.	RCIC SYSTEM FGD	E51-1030
8.	HPCI TURBINE CONT. SYSTEM	VAF-2767 5.1.14 & 22
9.	LOGIC SYMBOLS	441-1010
10.	REACTOR WATER CLEANUP SYS P & ID	631-1010
11.	LEAK DETECTION SYS	AG1-4040
12.	RCIC SYSTEM P & ID	E51-1010
13.	ELECTRICAL EQUIPMENT SEPARATION FOR SAFEGUARD SYSTEM	AG1-4050

LEGEND:

- 1 = SWITCHGEAR DEVICE FUNCTION NO. ANSI SPIC. C37.2
- 2 = FURNISHED WITH TURBINE (SEE REF DWE 8)

PRC APERTURE CARD

10055-11-E41 1038-64(1)-2

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