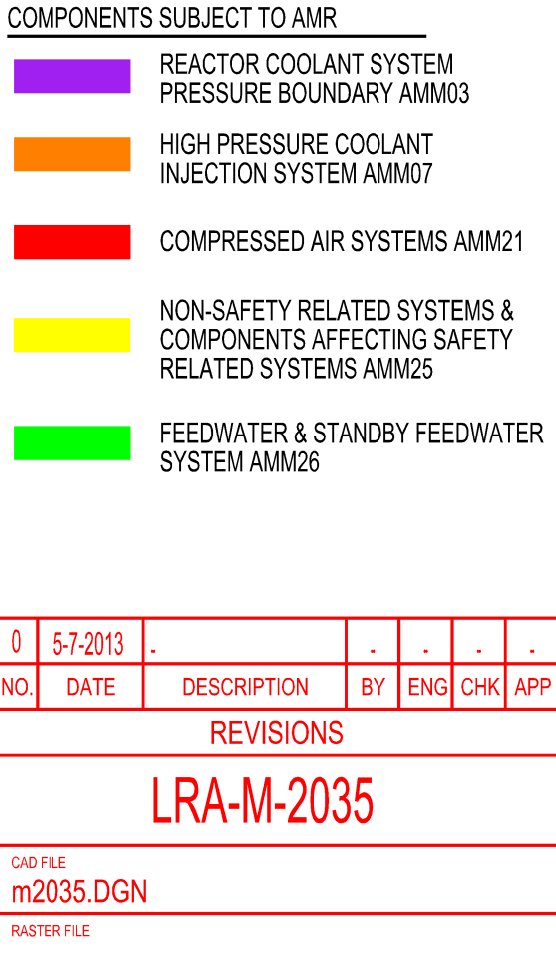




NOTES:

1. THIS DIAGRAM REPLACES GENERAL ELECTRIC DIAGRAM #729600AB SH 1 REV 3.
2. SPECIFIC SYSTEM DESIGN REQUIREMENTS ARE GIVEN IN THE HIGH PRESSURE COOLANT INJECTION SYSTEM DESIGN SPECIFICATION NUMBER 3071-504.
3. THE PLANT IDENTIFICATION NUMBER FOR THE HPCI SYSTEM IS E4100.
4. FOR ASSEMBLY DWG NO. SEE KEY PLAN M-2320.
5. FOR GENERAL ARRANGEMENT SEE A-2000.
6. TORUS SUCTION LINE IS MONITORED FOR LEAKAGE.
7. EXCESS FLOW CHECK VALVES, TYPE F500 HAVE LOCAL RESET AND BOTH LOCAL AND CONTROL ROOM POSITION INDICATION.
8. TORUS PENETRATIONS X206A-D ARE ALSO USED BY THE PRIMARY CONTAMINATION MONITORING SYSTEM (T50) SEPARATE EXCESS FLOW CHECK VALVES ARE PROVIDED FOR EACH SYSTEM.
9. ALL HPCI PIPING AND EQUIPMENT SHOWN ON THIS DIAGRAM IS QA LEVEL 1 UNLESS NOTED OTHERWISE.

11. FOR VENT, DRAIN AND TEST CONNECTIONS WITH THE DOUBLE VALVE ARRANGEMENT, AFTER THE NUCLEAR VESSEL (FIRST VALVE) THE CLASSIFICATION IS GROUP D (SEISMIC II, QA II) (EXCEPT FOR VENT WITH VALVES E4100F032 & E4100F033).
12. VALVE E4100F005 HAS THE HARDWARE CAPABILITY TO OPERATE AS AN AIR-OPERATED, EXERCISABLE CHECK VALVE, NO AIR SUPPLY LINES ARE ROUTED TO THE VALVE. THE EXERCISABLE FUNCTION IS NOT OPERABLE.
13. VALVE E4100F005 IS AN ASME CLASS 1 VALVE INSTALLED IN A CLASS 2 APPLICATION.

LEGEND

1. **M- DWG NO** IDENTIFIES PIPING ISOMETRIC FOR FABRICATION AND ERECTION.

INSTRUMENT & CONTROL SYSTEM NOTES:

A. UNLESS OTHERWISE SHOWN ALL INSTRUMENT NO.'S ON THIS DIAGRAM ARE FOR SYSTEM E-41.

B. NOTE REMOVED.

C. NOTE REMOVED.

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THIS IS A MICROSTATION PRODUCED DRAWING.
CHANGES OR REVISIONS MUST BE BROUGHT
TO THE ATTENTION OF THE PLANT ENGINEERING
DESIGN GROUP TO ENSURE THAT CONFIGURATION
CONTROL IS MAINTAINED.