



OTHER SYS. THIS P&ID:  
 PH, ESI, G41, B21 & 2102-20

- NOTES:
1. ALL EQUIPMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY QIEX UNLESS OTHERWISE NOTED.
  2. DELETED.
  3. THIS P&ID IS REDRAWN FROM GE P&ID NO. 75E424A, REVISION 2.
  4. THIS LINE IS 3/4" OD, 316 STAINLESS STEEL TUBING WITH 0.063" WALL THICKNESS.
  5. ALL INSTRUMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY IE2 UNLESS OTHERWISE NOTED.
  6. VALVES F027A/B AND F028A/B ARE 600LB CARBON STEEL CLASS II VALVE (E8B).
  7. VALVES F03A, B, C, F04A, B, C, F042A, B AND C ARE 600LB CARBON STEEL CLASS II VALVE (E8A).
  8. INTERCONNECTION OF 18" GBB-52 AND 12" GBB-20 SHOULD BE AS CLOSE AS POSSIBLE TO F022A AND INTERSECTION OF 18" GBB-18 AND 12" GBB-81 SHOULD BE AS CLOSE AS POSSIBLE TO F029A.
  9. DISCHARGE LINE FROM RELIEF VALVE SHALL SLOPE DOWNWARD CONTINUOUSLY TO SUPPRESSION POOL.
  10. THE LENGTH OF PIPE INVOLVED IN THE VACUUM BREAKER ARRANGEMENT, FROM THE ATMOSPHERE TO EITHER VALVE F055A OR B DISCHARGE LINE SHALL NOT EXCEED 100 FEET.
  11. VALVES F027A/B SHOULD BE INSTALLED SUCH THAT THE FLOW INDICATOR IS POINTED AWAY FROM THE CONTAINMENT WALL.
  12. ALL PIPING 2" & SMALLER ON DWG. M-1085A IS CLASSIFIED AS "IC" RADIATION LEVEL. IF THE PIPING IS FILLED AFTER USE OF RHR, IT IS CLASSIFIED AS "3" RLL.
  13. THE FOLLOWING PERIOD IS TO BE GALVANIZED IN THE FIELD BEFORE BEING INSTALLED:  
 GBB-52 (DOWNSTREAM OF VALVE F022A), GBB-55, GBB-54, GBB-53, GBB-18 (DOWNSTREAM OF VALVE F028B), GBB-98, GBB-99, GBB-90.
  14. ALL STARTUP STRAINERS SHALL BE REPLACED IN ACCORDANCE WITH THE LATEST REVISION OF 3645-MS-03 GENERAL NOTE 17.
  15. FOR PENETRATION MATERIALS AND DETAILS SEE DWG. 9645-C-1004.
  16. VALVES P5070A, P5070B AND P5070C SHALL BE INSTALLED ABOVE THE SUPPRESSION POOL WATER LEVEL EL-111-10.
  17. PIPING CLASSIFICATION GBB EXTENDS UP TO THE SPRAY NOZZLES CONNECTING PIPES. ABOVE SECTION III CODE BOUNDARY DOES NOT EXTEND BEYOND THIS POINT.
  18. ALL PIPING 2" & SMALLER ON DWG. M-1085A IS CLASSIFIED AS "IC" RADIATION LEVEL.
  19. ROUTE TO THE NEAREST PLATFORM AND LOCATE VALVES SUCH THAT AN OPERATOR CAN REACH THE VALVES FROM THE PLATFORM LOCATE OPEN FUNNEL OR PIPE TERMINUS SUCH THAT THE OPERATOR CAN SEE EVIDENCE OF FLOW FROM THE VALVE LOCATION.
  20. TESTABLE FLANGES WITH DOUBLE O-RINGS SHALL BE PROVIDED. INSTRUMENT TAPS SHALL BE IN ACCORDANCE WITH 3645-M-2050.
  21. FIELD TO REPLACE SPECIALTY FLANGES DO08A/B AND C WITH RING SPACERS AFTER HYDROTESTING AND PRIOR TO SYSTEM OPERATION IN ACCORDANCE WITH THE LATEST REVISION OF 3645-MS-03.
  22. PIPING CONNECTED TO VESSEL HEAD SHALL BE FLANGED TO FACILITATE VESSEL HEAD REMOVAL.

NO.	DATE	DESCRIPTION	BY	CHKD
1	11/15/73	ISSUED FOR CONSTRUCTION	J. J. ...	...
2	11/15/73	ISSUED FOR CONSTRUCTION	J. J. ...	...
3	11/15/73	ISSUED FOR CONSTRUCTION	J. J. ...	...
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30	11/15/73	ISSUED FOR CONSTRUCTION	J. J. ...	...

**BECHTEL**  
 GAITHERSBURG, MARYLAND

**MISSISSIPPI POWER & LIGHT COMPANY**  
 GRAND GULF NUCLEAR STATION  
 UNIT 1, B. 2

**P & I DIAGRAM**  
 RESIDUAL HEAT REMOVAL SYSTEM  
 UNIT 1

JOB NO.	DRAWING NO.	REV.
9645-	M-1085A	15

MPL No. IE12 1015M

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