



**NOTES**

1. VALVES ARE NORMALLY INSTALLED WITH FLOW UNDER SEAT.
2. SPRING LOADED CHECK VALVE.
3. LOCATE IN ANNULAR SPACE BETWEEN SECONDARY SHELL AND CONTAINMENT WALL.
4. SPOOL PIECES SHOULD BE LOCATED CLOSE TO EACH PUMP FOR MAINTENANCE.
5. ELEVATION OF NOMINAL WATER LEVEL TO BE HIGHER THAN IN COMPONENT COOLING WATER SYSTEM.
6. SPOOL PIECE FOR INSTALLATION OF STRAINERS DURING OPERATIONAL FLUSHING LOCATE AS CLOSE TO PUMP AS FEASIBLE. REMOVE PRIOR TO PLANT START-UP AND REPLACE WITH PRESSURE INDICATOR.
7. FOUR CONTROL SWITCHES ARE PROVIDED BOTH ON THE MAIN CONTROL BOARD AND ON THE REMOTE SHUTDOWN PANEL, ONE IN EACH DIVISION.
8. THROTTLE ORIFICE USED TO ASSURE THAT KEROTEST VALVES ICC9494A/B/C/D ARE CAPABLE OF PROVIDING PROPER SYSTEM FLOW CONTROL.
9. THROTTLE ORIFICE USED TO ASSURE THAT KEROTEST VALVES ICC9494A AND ICC9494B ARE CAPABLE OF PROVIDING PROPER SYSTEM FLOW CONTROL.
10. 2" PIPING UPSTREAM & DOWNSTREAM OF FLOW ELEMENT SHALL BE SH-40 SEE APPLICABLE ISOMETRIC PIPING DRAWING (M-2537C SERIES).
11. SEE APPLICABLE ISOMETRIC PIPING DRAWING (M-2537C SERIES) FOR SCHEDULE 40 ORIFICE PIPING WITH COUPLINGS REQUIRED FOR SCHEDULE 40 TO SCHEDULE 40 TRANSITION.
12. FLOW ELEMENT CLAMP MOUNTED.

**SAFETY RELATED ITEMS ARE SHOWN ON THIS DRAWING**

FOR SAFETY CLASSIFICATION SYSTEM (CLASSIFICATION DONE BY DEFINITION ON DWG M-34-SHT1)

DRAWING RELEASE RECORD				DRAWING RELEASE RECORD				CHECK FLANGES TAG	
REV	DATE	PREPARED	APPROVED	REV	DATE	PREPARED	APPROVED	NO.	DATE
M	12-01-81	...	...						
N	0-28-82	...	...						
P	11-23-82	...	...						

SCALE: NONE  
PROJECT NUMBER: 4809-00  
DRAWING NO.: M-66  
SHEET 4 OF 4

DIAGRAM OF COMPONENT COOLING  
MARBLE HILL NUCLEAR GENERATING STA. UNITS 1 & 2  
PUBLIC SERVICE INDIANA  
PLAINFIELD, INDIANA

SARGENT & LUNDY  
CHICAGO, ILL.



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RIDS

