



- NOTES:**
1. ADJUST VALVES IN FIELD TO LIMIT PUMP HEAVY FLOW.
  2. FLOW METERING ORIFICE TO VERIFY FLOW DURING PROVISIONAL TESTING.
  3. TEMPORARY STAINLESS IS PLACED IN SPOOL PIECE DURING INITIAL FLOODING OPERATIONS. STAINLESS MUST BE REMOVED BEFORE PLANT START-UP, STAINLESS AND SPOOL PIECE SUPPLIED BY OWNER.
  4. 3/4" I.D. FLOW RESTRICTION REQUIRED AS NOTED ON C.W. CONNECTIONS.
  5. VALVE PROVIDED WITH SOFT SEAT.
  6. SEE FLOW DIRECTION MC-1543-1.0 AND MC-1543-1.1 FOR COOLANT WATER CONNECTIONS TO SAFETY INJ. PUMPS.
  7. PROVIDE TELLTALE FOR FIRST LAMINAR FLOW INTO COOLANT RESSSEL.

8. DROP VENT SO THAT O.P. IS 2" ABOVE RED PLATE AND DRAIN OVERFLOW INTO RED PLATE.
9. WATER IN COOLANT SUPPLIED BY PUMP INSPECTOR.
10. WATER IN COOLANT SUPPLIED BY PUMP INSPECTOR.
11. WATER IN COOLANT SUPPLIED BY PUMP INSPECTOR.
12. THIS CONNECTION MUST BE REMOVED TO ALLOW RE-INSPECTION, IT MUST BE REMOVED TO THE APPLICABLE CODE WITH THE PIPE OF EQUIPMENT. NO-TOP ABOVE TANK TRIMMING VALVE.

**DESIGN PARAMETERS**

LINE LISTING	PRESSURE	TEMPERATURE	CLASS	MATERIAL
10	2400 PSIG	450°F	6	SA-312
11	2400 PSIG	450°F	6	SA-312
12	2400 PSIG	450°F	6	SA-312
13	2400 PSIG	450°F	6	SA-312
14	2400 PSIG	450°F	6	SA-312
15	2400 PSIG	450°F	6	SA-312
16	2400 PSIG	450°F	6	SA-312
17	2400 PSIG	450°F	6	SA-312
18	2400 PSIG	450°F	6	SA-312
19	2400 PSIG	450°F	6	SA-312
20	2400 PSIG	450°F	6	SA-312

**SI  
APERTURE  
CARD**

NO.	REVISIONS	DATE	BY	CHKD	APPV	DATE	REASON
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

**S.A. COMPANY 2**  
**S.A. COMPANY 1**  
 DUKES POWER COMPANY  
 MOORE HICKOK STATION UNIT 1  
 P. OF DIAGRAM OF  
 SAFETY INJECTION SYSTEM  
 (102)

FOR INFORMATION ONLY

PDR RIDS

9301190380

