



- NOTES:**
1. ALL EQUIPMENT AND PIPING SHOWN TO BE LOCATED IN NEAR AMBIENT OR DESIGNATED TEMPERATURE.
  2. OVERFLOW NOZZLE TO BE LOCATED AT SOME ELEVATION AS SHOWN IN P&ID FOR PUMP SECTION.
  3. LOWER LOOP TO EXTEND 20" BELOW OVERFLOW CONNECTION.
  4. UPPER LOOP TO EXTEND 18" BELOW OVERFLOW CONNECTION.
  5. LOCATE SPYHOLE BRASS VENT ON TOP OF UPPER LOOP.
  6. LOWER LOOP TO EXTEND 18" BELOW AND AROUND OVERFLOW CONNECTION.
  7. VENT AND DRAIN PIPING CONNECTION TO BE PROVIDED AS APPROPRIATE FOR VENTING CONDITIONS AND FLOWING.
  8. REFER TO UC-1554-1 FOR TANK DESIGN CRITERIA.
  9. HIGH POINT OF PIPING.
  10. LOCATE VENT CLOSE TO CEILING AND VENTILATION EXHAUST DUCT LIP POSITIVE.
  11. LEAD SHIELD AROUND FILTERS.
  12. BORON PIPING IS INSULATED WITH TRW.
  13. BORON PIPING IS INSULATED WITH TRW.
  14. BORON PIPING IS INSULATED WITH TRW.
  15. HIGH POINT VENTS AND DRAINS NEEDED BY CONSTRUCTION FOR FLOOR AND ROOMS.
  16. THIS CONNECTION ALSO USED FOR MACKING.

**DESIGN PARAMETERS**

NO.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
01	30 PSIG	125°F	SS	SS
02	40 PSIG	200°F	SS	SS
03	150 PSIG	200°F	SS	SS
04	150 PSIG	200°F	SS	SS
05	150 PSIG	200°F	SS	SS
06	150 PSIG	200°F	SS	SS
07	150 PSIG	200°F	SS	SS
08	60 PSIG	300°F	SS	SS
09	200 PSIG	180°F	SS	SS
10	115 PSIG	100°F	SS	SS
11	30 PSIG	200°F	SS	SS
12	115 PSIG	100°F	SS	SS
13	30 PSIG	200°F	SS	SS
14	115 PSIG	100°F	SS	SS
15	30 PSIG	200°F	SS	SS
16	115 PSIG	100°F	SS	SS

**SI APERTURE CARD**

NO.	REVISIONS	DATE	BY	CHKD.	APP'D.	DATE	BY	CHKD.	APP'D.
15	AS SHOWN PER M&P 2455B								
16	REV. PER M&P 2455B								
17	AS SHOWN PER M&P 2455B								
18	AS SHOWN PER M&P 2455B								
19	AS SHOWN PER M&P 2455B								
20	AS SHOWN PER M&P 2455B								
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49	AS SHOWN PER M&P 2455B								
50	AS SHOWN PER M&P 2455B								

**OR CONDITION 2 OR CONDITION 1**

**DUKE POWER COMPANY**  
**MEADOWS NUCLEAR STATION UNIT 1**

FLOW DIAGRAM OF  
 CHEMICAL AND VOLUME CONTROL  
 SYSTEM (M&P)

REVISIONS: 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50

DWG. NO. UC-1554-3.0

FOR INFORMATION ONLY



PDR RIDS

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