



PRESSURE BOUNDARY  
FREEZE IMPLEMENTED  
(4-3-80)

- NOTES:
1. REFER TO EQUIPMENT LISTING CH-1551 FOR EQUIPMENT DATA.
  2. TEMPORARY STRAINER IS PLACED IN THE SPID PIECE DURING INITIAL FLUSHING OPERATIONS. STRAINER MUST BE REMOVED BEFORE PLANT START UP. CAPED LINE IS CONNECTED TO PRESSURE GAUGE DURING INITIAL FLUSHING.
  3. SINGLE LINE SHOULD BRANCH OFF FROM PUMP DISCHARGE.
  4. SEE CH-1573-1.1 FOR ADDITIONAL CONNECTIONS ON PUMP.
  5. SPID STRAINERS TO BE INSTALLED AT LEAST ONE FOOT ABOVE TOP OF HEAT EXCHANGER. VENT OVERFLOW TO BRANCH OFF AT SAME LEVEL AS TOP OF EXCHANGER. OUTLET SIDE VENT.
  6. LOW POINT DRAIN.
  7. HIGH POINT OF FEEDING AT TOP OF PIPE.
  8. PORTABLE FLOW METER TO TRANSFER WATER ONCE TO TEST FOR LINE MAINTENANCE. THIS LINE MUST NOT BE USED AFTER TEST.

4. Flow Restrictor Detail Provided on Drawing CH-1550-1.

PRC  
APERTURE  
CARD

8212130340

NO.	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
01	2501.1	2500 PSIA	600°F	A	SS
02	601.2	615 PSIA	300°F	B	SS
03	601.4	615 PSIA	300°F	E	SS
04	151.4	625 PSIA	300°F	F	SS
05	601.2	240 PSIA	300°F	A	SS
06	601.4	240 PSIA	300°F	E	SS
07	2501.2	2500 PSIA	600°F	B	SS

NO.	FLOW
01	85 CPM

APPROVED PRESSURE BOUNDARY REVISION - REV. 2 (0004 8-17-82)  
 © CLEARED FOR PRESSURE BOUNDARY TESTING - REV. 1 (0004-3-80)  
 SYSTEM CHANGE ORDER NUMBER CH-1561-L1-0006  
 REQUIRED FOR START-UP: YES [ ] NO [ ]  
 PIPE BOUNDARY CHECKING CODE: 0011 0000

O.A. CONDITION 2	
O.A. CONDITION 1	
DUKE POWER COMPANY	
CANTON NUCLEAR STATION UNIT 1	
FLOW DIAGRAM OF RESIDUAL HEAT REMOVAL SYSTEM (HD)	
REVISION NO.	DATE
REVISION NO.	DATE
REVISION NO.	DATE
REVISION NO.	DATE
REVISION NO.	DATE
SCALE	DWG. NO. CH-1561-1.1

8.5

11

17

Rids

8212130340

