



NOTES:

1. STOPPING BOX JACKET COOLING WATER.
2. DISLE LEAK.
3. LOCATE AS CLOSE AS POSSIBLE TO DOWNCOM TANK.
4. PRESSURE MEASUREMENT, SEE DRAWING LIST CH-1577-1.1 FOR DETAILED INFORMATION.
5. ALL PIPING AND SUPPORTING WELD FROM FLOW CONTROL VALVES TO TANK SHALL BE COMPLETED AS SOON AS POSSIBLE, AND NEW CONTROL VALVES BE INSTALLED UPON NEW CONTROL VALVES BE INSTALLED.
6. VALVES ARE HANDWORK.
- 7.
8. LOCATE PIPE TO THE 1881550 & 1881550 CLOSE TO VALVE 188170.
9. LOCATE PIPE 188141 INLET CONNECTION TO MAIN HEADER CLOSE TO VALVES 18815 & 18817.
10. HIGH POINT POINTS AND LOW POINT DRAINING BY CONSTRUCTION FOR FLOW AND WIND.
11. CONNECTION NUMBERS ON THE STEAM GENERATORS WERE DERIVED FROM THE FOLLOWING INSTRUMENTATION: CH-1501-01-11/SH, CH-1501-01-11/SH, CH-1501-01-11/SH, CH-1501-01-11/SH, CH-1501-01-11/SH, CH-1501-01-11/SH, CH-1501-01-11/SH, CH-1501-01-11/SH.
12. PIPING WILL BE CLOSED UPON RECEIPT OF P&ID, REGENERATOR PUMP START SIGNAL.
13. DO NOT INSULATE DOWNSTREAM OF VENT AND DRAIN VALVES.
14. PROVIDE INSULATION TO 3 FT. FROM PIPING INTERSECTION.

DESIGN PARAMETERS

NO	PIPE SPEC	PRESSURE	TEMPERATURE	CLASS	MATERIAL
01	1500.8	1200 PSIA	600°F	B	CS
02	500.4	1200 PSIA	600°F	B	CS
03	500.4	1200 PSIA	600°F	B	CS
04	500.4	1200 PSIA	600°F	B	CS
05	500.4	1200 PSIA	600°F	B	CS
06	500.4	1200 PSIA	600°F	B	CS
07	500.4	1200 PSIA	600°F	B	CS
08	500.4	1200 PSIA	600°F	B	CS
09	500.4	1200 PSIA	600°F	B	CS
10	500.4	1200 PSIA	600°F	B	CS
11	500.4	1200 PSIA	600°F	B	CS
12	500.4	1200 PSIA	600°F	B	CS
13	500.4	1200 PSIA	600°F	B	CS
14	500.4	1200 PSIA	600°F	B	CS

DESIGN FLOW

NO	FLOW
01	90 GPM
02	360 GPM
03	150 GPM
04	43,500 GPM
05	2,000 GPM

APPROVED & RELEASED

DATE: 10-53

REVISIONS

NO	REVISIONS	DATE	BY	CHKD	DATE	BY	CHKD
1	REV PER C.O. #1580-1.0-01	10-53	...	...	...	...	...
2	REV PER C.O. #1580-1.0-01	10-53	...	...	...	...	...
3	REV PER C.O. #1580-1.0-01	10-53	...	...	...	...	...
4	REV PER C.O. #1580-1.0-01	10-53	...	...	...	...	...
5	REV PER C.O. #1580-1.0-01	10-53	...	...	...	...	...
6	REV PER C.O. #1580-1.0-01	10-53	...	...	...	...	...
7	REV PER C.O. #1580-1.0-01	10-53	...	...	...	...	...
8	REV PER C.O. #1580-1.0-01	10-53	...	...	...	...	...
9	REV PER C.O. #1580-1.0-01	10-53	...	...	...	...	...
10	REV PER C.O. #1580-1.0-01	10-53	...	...	...	...	...

104.8-1

DUKE POWER COMPANY

CHATTAM HULLMAN STATION UNIT 1

FLOW DIAGRAM OF STEAM GENERATOR BLOWDOWN SYSTEM (89)

DATE: 10-53

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AS BUILT DATE 1-10-53

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PDR RIDS

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