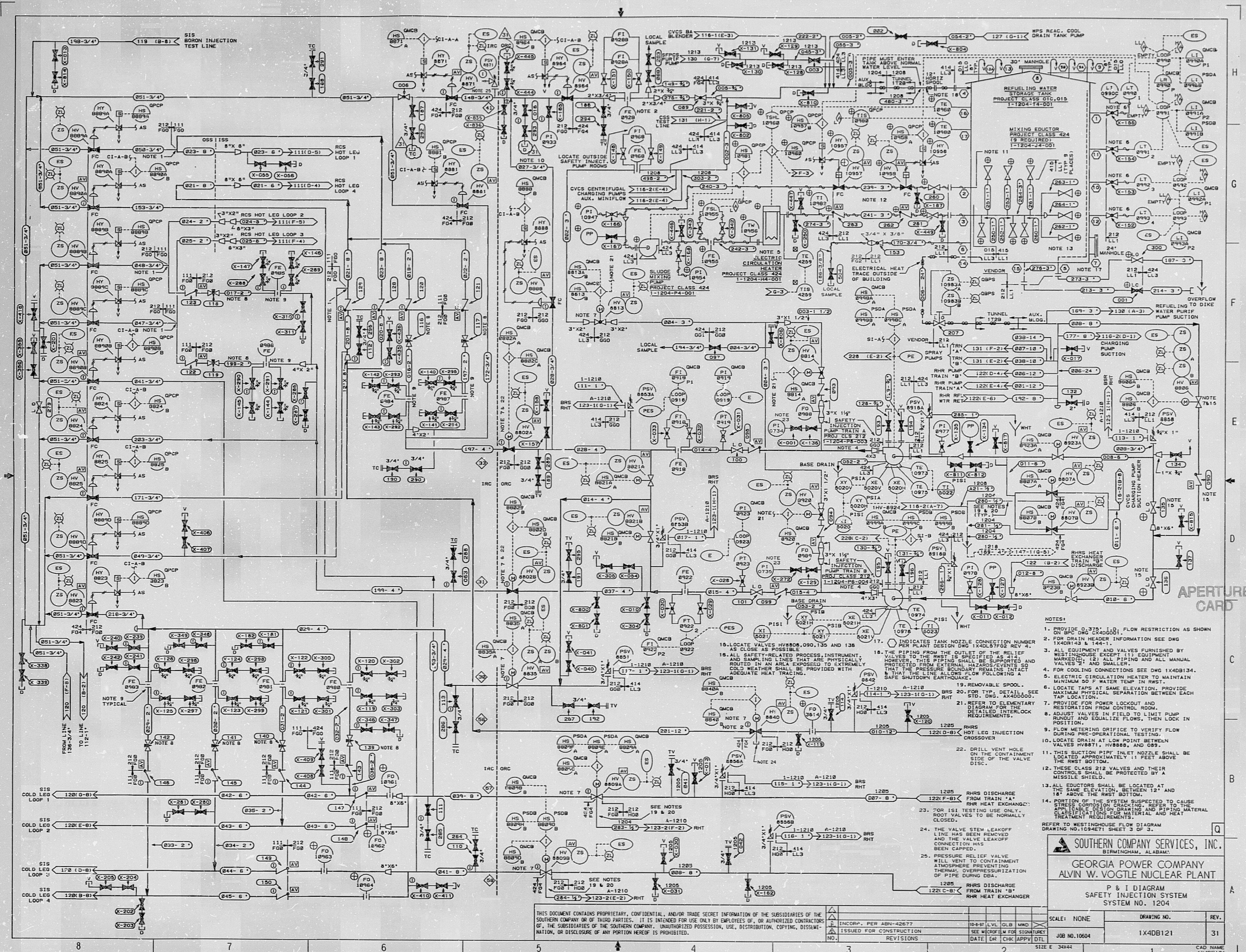




- NOTES:
1. PROVIDE 0.75" I.D. FLOW RESTRICTION AS SHOWN ON BRC AND CHARGE.
  2. FOR DRAIN HEADER INFORMATION SEE DWG 1X40B13 & 14-11.
  3. ALL EQUIPMENT AND VALVES FURNISHED BY WESTINGHOUSE EXCEPT (1) EQUIPMENT MANUFACTURED BY OTHERS AND (2) ALL MANUAL VALVES 12" AND SMALLER.
  4. FOR COOLING CONNECTIONS SEE DWG 1X40B134.
  5. ELECTRIC CIRCULATION HEATER TO MAINTAIN MINIMUM 90°F WATER TEMP IN RWST.
  6. LOCATE TAPS AT SAME ELEVATION; PROVIDE MAXIMUM PHYSICAL SEPARATION BETWEEN EACH TAP LOCATION.
  7. PROVIDE FOR POWER LOCKOUT AND RESTORATION FROM CONTROL ROOM.
  8. ADJUST VALVES IN FIELD TO LIMIT PUMP RUNOUT AND EQUALIZE FLOWS, THEN LOCK IN POSITION.
  9. FLOW METERING DRIFTS TO VERIFY FLOW DURING PRE-OPERATIONAL TESTING.
  10. LOCATE DRAIN AT LOW POINT BETWEEN VALVES HWST-1, HWST-2, AND HWST-3.
  11. THIS SUCTION PIPE INLET NOZZLE SHALL BE LOCATED APPROXIMATELY 11 FEET ABOVE THE RWST BOTTOM.
  12. THESE CLASS 212 VALVES AND THEIR CONTROLS SHALL BE PROTECTED BY A MISSILE SHIELD.
  13. ALL EXISTORS SHALL BE LOCATED AT THE SAME ELEVATION, BETWEEN 12" AND 18" ABOVE THE RWST BOTTOM.
  14. PORTION OF THE SYSTEM SUSCEPTED TO CAUSE RWST HEAT EXCHANGER TO OVERHEAT SHALL BE PROTECTED BY A MISSILE SHIELD.
  15. LOCATE VALVES HWST-2, HWST-3, AND HWST-4 AS CLOSE AS POSSIBLE.
  16. ALL SAFETY-RELATED PROCESS INSTRUMENT, AND SAMPLING LINES THAT ARE PHYSICALLY ROUTED IN AN AREA EXPOSED TO EXTREMELY HOT WEATHER SHALL BE PROVIDED WITH ADEQUATE HEAT TRACING.
  17. INDICATES TANK NOZZLE CONNECTION NUMBER PER PLANT DESIGN DWG 1X40B137 FOR REV. 4.
  18. THE PIPING FROM THE OUTLET OF THE RWST IS SPECIFIED AS 12" I.D. 304L SS. THE PIPING SHALL BE SUPPORTED AND PROTECTED FROM EXTERNAL HAZARDOUS EVENTS SO THAT THE PRESSURE BOUNDARY REMAINS INTACT SAFE SHUTDOWN FOLLOWING A SEVERE ACCIDENT.
  19. REMOVABLE SPOOL.
  20. RWST TAP, DETAIL SEE SIB, DWG. 1X40B137.
  21. REFER TO ELEMENTARY DIAGRAM FOR THE DETAILED INTERLOCK REQUIREMENTS.
  22. DRILL VENT HOLE ON THE CONTAINMENT SIDE OF THE VALVE DISC.
  23. FOR ISI TESTING USE ONLY; ROOT VALVES TO BE NORMALLY CLOSED.
  24. THE VALVE STEM LEAKOFF LINE HAS BEEN REMOVED AND THE VALVE LEAKOFF CONNECTION HAS BEEN CAPPED.
  25. PRESSURE RELIEF VALVE WILL VENT TO CONTAINMENT ATMOSPHERE PREVENTING OVERPRESSURIZATION OF PIPE DURING DBA.

**SOUTHERN COMPANY SERVICES, INC.**  
BIRMINGHAM, ALABAMA

**GEORGIA POWER COMPANY**  
ALVIN W. VOGLT NUCLEAR PLANT

**P & I DIAGRAM**  
SAFETY INJECTION SYSTEM  
SYSTEM NO. 1204

| SCALE: | DRAWING NO. | REV. |
|--------|-------------|------|
| NONE   | 1X40B121    | 31   |

DATE: 10-10-64  
JOB NO. 10604  
SIZE: 30x42  
CNO NAME: 1X40B121

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| NO. | REVISIONS               | DATE | BY | CHK | APPV | DTL |
|-----|-------------------------|------|----|-----|------|-----|
| 1   | INCORP. PER ABN-42677   |      |    |     |      |     |
| 2   | ISSUED FOR CONSTRUCTION |      |    |     |      |     |

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PDR RIDS

