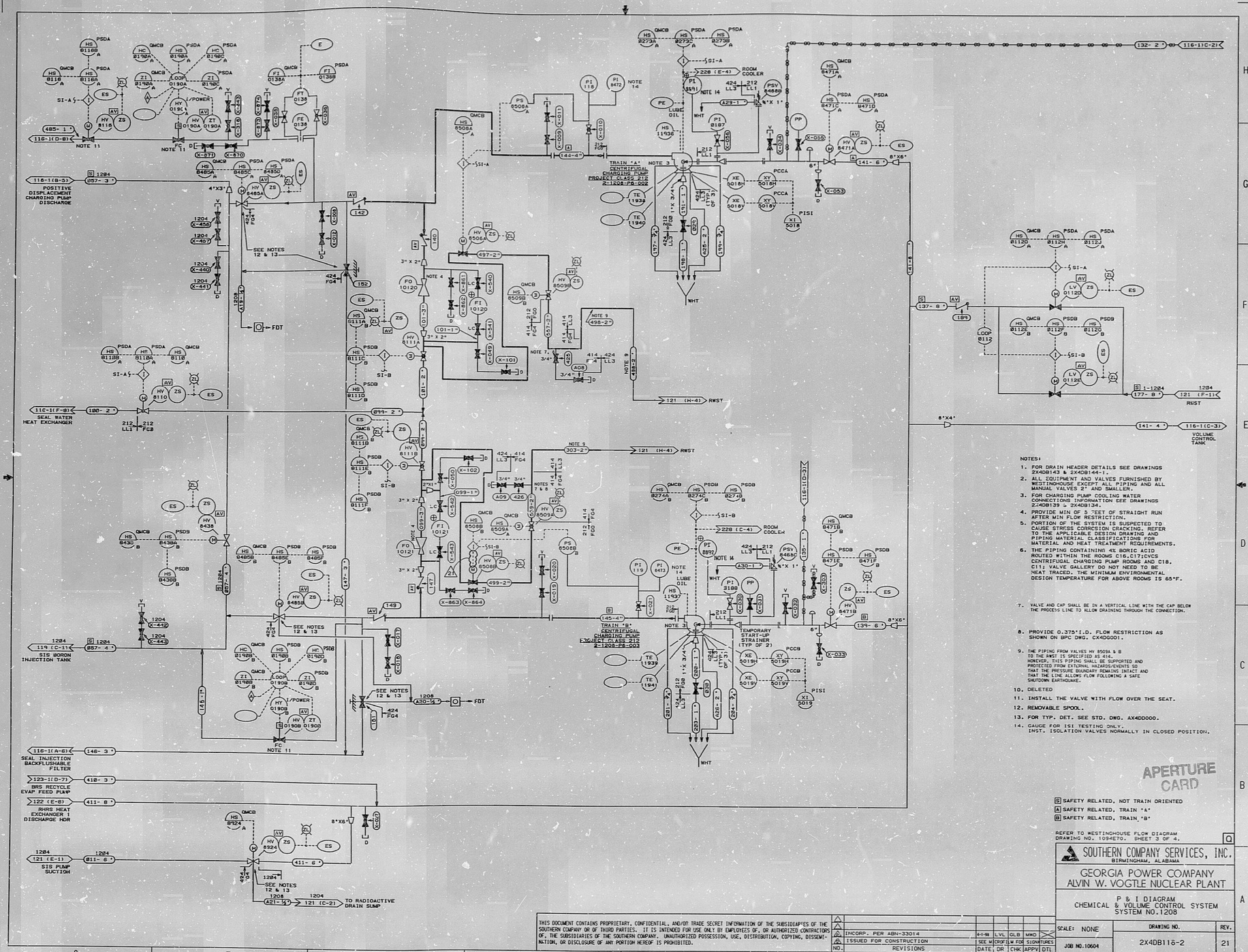
POSITIVE DISPLACEMENT CHARGING PUMP DISCHARGE
SEAL WATER HEAT EXCHANGER
SIS BORON INJECTION TANK
SEAL INJECTION BACKFLUSHABLE FILTER
BRS RECYCLE EVAP FEED PUMP
RHRS HEAT EXCHANGER 1 DISCHARGE HDR
SIS PUMP SUCTION
TO RADIOACTIVE DRAIN SUMP
TRAIN 'A' CENTRIFUGAL CHARGING PUMP PROJECT CLASS 212 2-1208-PB-002
TRAIN 'B' CENTRIFUGAL CHARGING PUMP PROJECT CLASS 212 2-1208-PB-003
ROOM COOLER
LUBE OIL
TEMPORARY START-UP STRAINER (TYP OF 2)
VOLUME CONTROL TANK
SEE NOTES 12 & 13
FDT
RWST
WHT
PCCA
PISI
NOTES:
1. FOR DRAIN HEADER DETAILS SEE DRAWINGS 2X4DB143 & 2X4DB144-1.
2. ALL EQUIPMENT AND VALVES FURNISHED BY WESTINGHOUSE EXCEPT ALL PIPING AND ALL MANUAL VALVES 2" AND SMALLER.
3. FOR CHARGING PUMP COOLING WATER CONNECTIONS INFORMATION SEE DRAWINGS 2X4DB139 & 2X4DB134.
4. PROVIDE MIN OF 3 FEET OF STRAIGHT RUN AFTER MIN FLOW RESTRICTION.
5. PORTION OF THE SYSTEM IS SUSPECTED TO CAUSE STRESS CORRCSION CRACKING. REFER TO THE APPLICABLE DESIGN DRAWING AND PIPING MATERIAL CLASSIFICATIONS FOR MATERIAL AND HEAT TREATMENT REQUIREMENTS.
6. THE PIPING CONTAINING 4% BORIC ACID ROUTED WITHIN THE ROOMS C16,C17ICVCS CENTRIFUGAL CHARGING PUMP ROOMS AND C18, C11; VALVE GALLERY DO NOT NEED TO BE HEAT TRACED. THE MINIMUM ENVIRONMENTAL DESIGN TEMPERATURE FOR ABOVE ROOMS IS 65°F.
7. VALVE AND CAP SHALL BE IN A VERTICAL LINE WITH THE CAP BELOW THE PROCESS LINE TO ALLOW DRAINING THROUGH THE CONNECTION.
8. PROVIDE 0.375"I.D. FLOW RESTRICTION AS SHOWN ON BPC DWG. CX4DG001.
9. THE PIPING FROM VALVES HV 8509A & B TO THE RWST IS SPECIFIED AS 414. HOWEVER, THIS PIPING SHALL BE SUPPORTED AND PROTECTED FROM EXTERNAL HAZARDS/EVENTS SO THAT THE PRESSURE BOUNDARY REMAINS INTACT AND THAT THE LINE ALLOWS FLOW FOLLOWING A SAFE SHUTDOWN EARTHQUAKE.
10. DELETED
11. INSTALL THE VALVE WITH FLOW OVER THE SEAT.
12. REMOVABLE SPOOL.
13. FOR TYP. DET. SEE STD. DWG. AX4D0000.
14. GAUGE FOR ISI TESTING ONLY. INST. ISOLATION VALVES NORMALLY IN CLOSED POSITION.
APERTURE CARD
S SAFETY RELATED, NOT TRAIN ORIENTED
A SAFETY RELATED, TRAIN 'A'
B SAFETY RELATED, TRAIN 'B'
REFER TO WESTINGHOUSE FLOW DIAGRAM DRAWING NO. 1094E70. SHEET 3 OF 4.
SOUTHERN COMPANY SERVICES, INC.
BIRMINGHAM, ALABAMA
GEORGIA POWER COMPANY
ALVIN W. VOGTLE NUCLEAR PLANT
P & I DIAGRAM
CHEMICAL & VOLUME CONTROL SYSTEM
SYSTEM NO.1208
SCALE: NONE
DRAWING NO. 2X4DB116-2
REV. 21
JOB NO.10604
SIZE E 34X44
CAD NAME 24DB116Z
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NO. REVISIONS DATE DR CHK APPV DTL
INCORP. PER ABN-33014 4-1-94
ISSUED FOR CONSTRUCTION
SEE MICROFILM FOR SIGNATURES

9910190031

PDR RIDS

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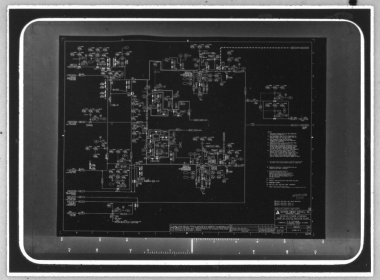

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