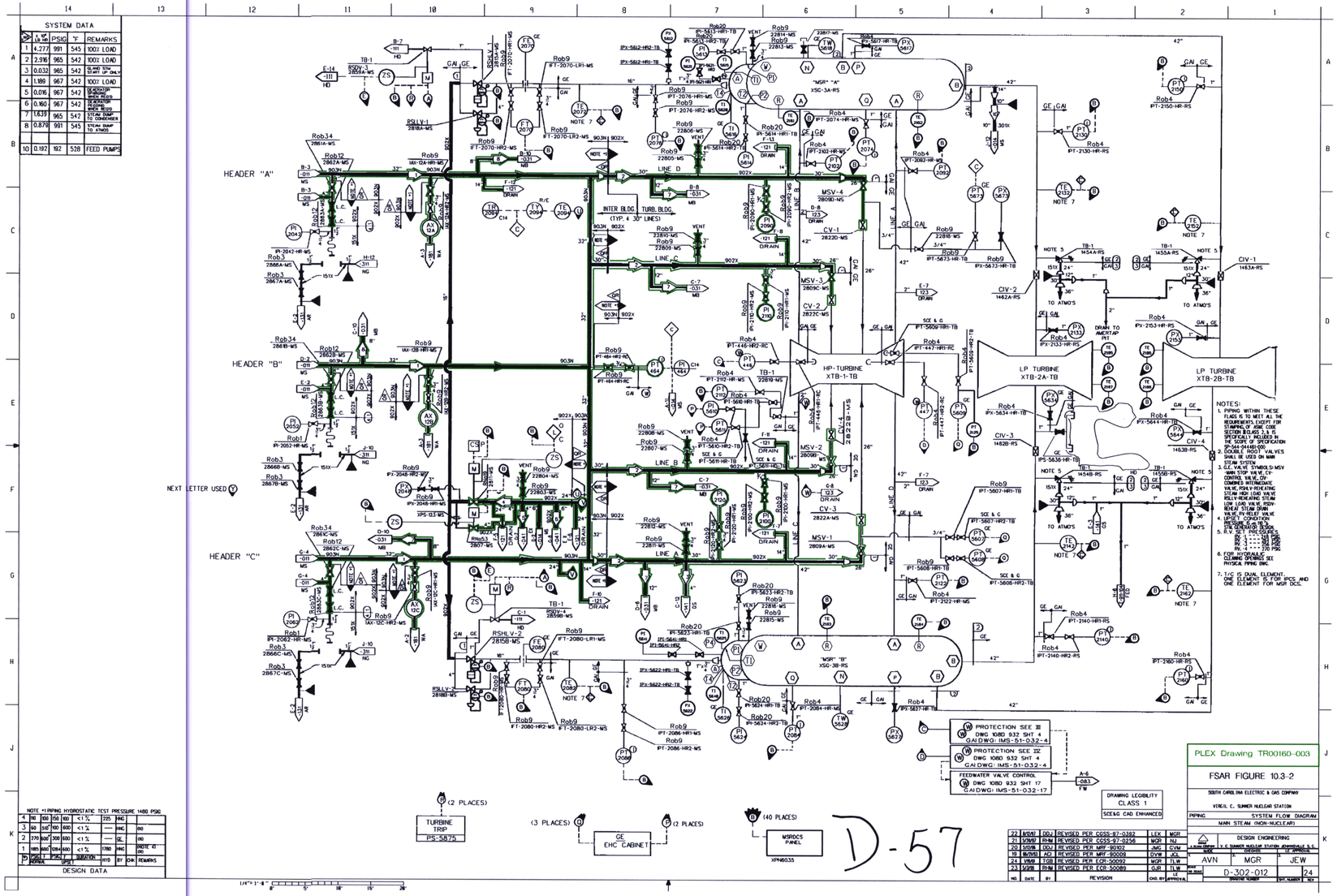
SYSTEM DATA
HEADER "A"
HEADER "B"
HEADER "C"
NEXT LETTER USED
HP-TURBINE XTB-1-TB
LP TURBINE XTB-2A-TB
LP TURBINE XTB-2B-TB
MSR "A" XSC-3A-RS
MSR "B" XSC-3B-RS
MSV-1
MSV-2
MSV-3
MSV-4
CV-1
CV-2
CV-3
CV-4
INTER BLDG
TURB. BLDG
LINE A
LINE B
LINE C
LINE D
TURBINE TRIP PS-5875
GE EHC CABINET
MSRDCS PANEL XPM0035
DESIGN DATA
NOTES:
1. PIPING WITHIN THESE FLAGS IS TO MEET ALL THE REQUIREMENTS, EXCEPT FOR STAMPING, OF ASME CODE SECTION III, CLASS 2 & 3, AS SPECIFIED IN SPECIFICATION SP-544-044-000.
2. DOUBLE ROOT VALVES SHALL BE USED ON MAIN STEAM SYSTEM.
3. C.E. VALVE SYMBOLS MSV - MAIN STOP VALVE, CV - CONTROL VALVE, OR COMBINED INTERMEDIATE VALVE, HOR = HORIZONTAL YOKE, VER = VERTICAL YOKE, RSLV-REHEAT STEAM LOW LOAD VALVE, RSHV-REHEAT STEAM DUMP VALVE, RV-RELIEF VALVE
4. UPSET CONDITION PRESSURES ARE:
MS = 1185 PSIG
RH = 370 PSIG
5. R.V. SET PRESSURES:
RV-1 = 1195 PSIG
RV-2 = 1224 PSIG
RV-3 = 1254 PSIG
RV-4 = 1285 PSIG
6. FOR HYDRAULIC CLEARANCE DRAWING SEE PHYSICAL PIPING DWG.
7. T/C IS DUAL ELEMENT ONE ELEMENT FOR IPCS AND ONE ELEMENT FOR MSR DCS.
PLEX Drawing TR00160-003
FSAR FIGURE 10.3-2
SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMMER NUCLEAR STATION
PIPING
SYSTEM FLOW DIAGRAM
MAIN STEAM (NON-NUCLEAR)
DESIGN ENGINEERING
AVN
MGR
JEW
D-302-012
24
DRAWING LEGIBILITY CLASS 1
SCE&G CAD ENHANCED
D-57