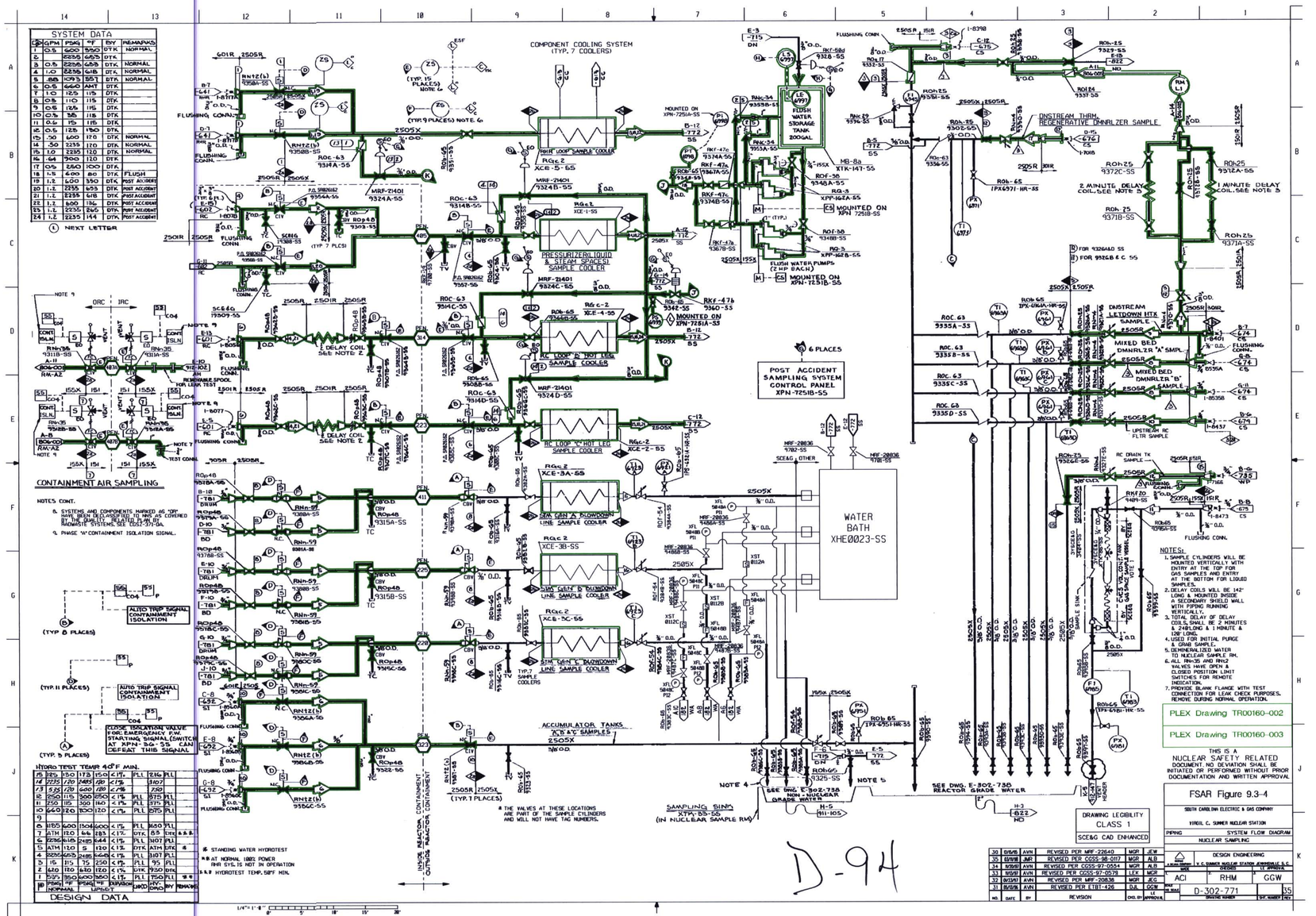
SYSTEM DATA
DESIGN DATA
CONTAINMENT AIR SAMPLING
COMPONENT COOLING SYSTEM (TYP. 7 COOLERS)
PRESSURIZER LIQUID & STEAM SPACE SAMPLE COOLER
RC LOOP 'B' HOT LEG SAMPLE COOLERS
RC LOOP 'C' HOT LEG SAMPLE COOLER
SGA GEN A BLOWDOWN LINE SAMPLE COOLER
SGB GEN B BLOWDOWN LINE SAMPLE COOLER
SGC GEN C BLOWDOWN LINE SAMPLE COOLER
ACCUMULATOR TANKS A,B & C SAMPLES
FLUSH WATER STORAGE TANK 200 GAL
FLUSH WATER PUMPS (2 HP EACH)
POST ACCIDENT SAMPLING SYSTEM CONTROL PANEL XPN-7251B-SS
WATER BATH XHE0023-SS
SAMPLING SINK XPN-8B-SS (IN NUCLEAR SAMPLE RM)
DOWNSTREAM THRM. REGENERATIVE DMNRLZR SAMPLE
DISTREAM LETDOWN HTX SAMPLE
MIXED BED DMNRLZR 'A' SMPL.
MIXED BED DMNRLZR 'B' SAMPLE
UPSTREAM RC FLTR SAMPLE
RC DRAIN TK SAMPLE
2 MINUTE DELAY COIL SEE NOTE 5
1 MINUTE DELAY COIL, SEE NOTE 5
NOTES:
1. SAMPLE CYLINDERS WILL BE MOUNTED VERTICALLY WITH ENTRY AT THE TOP FOR GAS SAMPLES AND ENTRY AT THE BOTTOM FOR LIQUID SAMPLES.
2. DELAY COILS WILL BE 1/2" COPPER, MOUNTED INSIDE A SECONDARY SHIELD WALL WITH PIPING RUNNING VERTICALLY.
3. TOTAL DELAY OF DELAY COILS, SHALL BE 2 MINUTES & 2 MIN. LONG & 1 MINUTE & 1/2 MIN. LONG.
4. USED FOR INITIAL PURGE & GRAB SAMPLE.
5. DEMINERALIZED WATER TO NUCLEAR SAMPLE RM.
6. ALL RN-35 AND RN-12 VALVES HAVE OPEN & CLOSED POSITION LIMIT SWITCHES FOR REMOTE INDICATION.
7. PROVIDE BLANK FLANGE WITH TEST CONNECTION FOR LEAK CHECK PURPOSES. REMOVE DURING NORMAL OPERATION.
PLEX Drawing TR00160-002
PLEX Drawing TR00160-003
THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE INITIATED OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL.
FSAR Figure 9.3-4
SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMMER NUCLEAR STATION
PIPING
SYSTEM FLOW DIAGRAM
NUCLEAR SAMPLING
DESIGN ENGINEERING
V. C. SUMMER NUCLEAR STATION, JENKINSVILLE, S.C.
ACI
RHM
GGW
D-302-771
35
DRAWING LEGIBILITY CLASS 1
SCE&G CAD ENHANCED
D-94