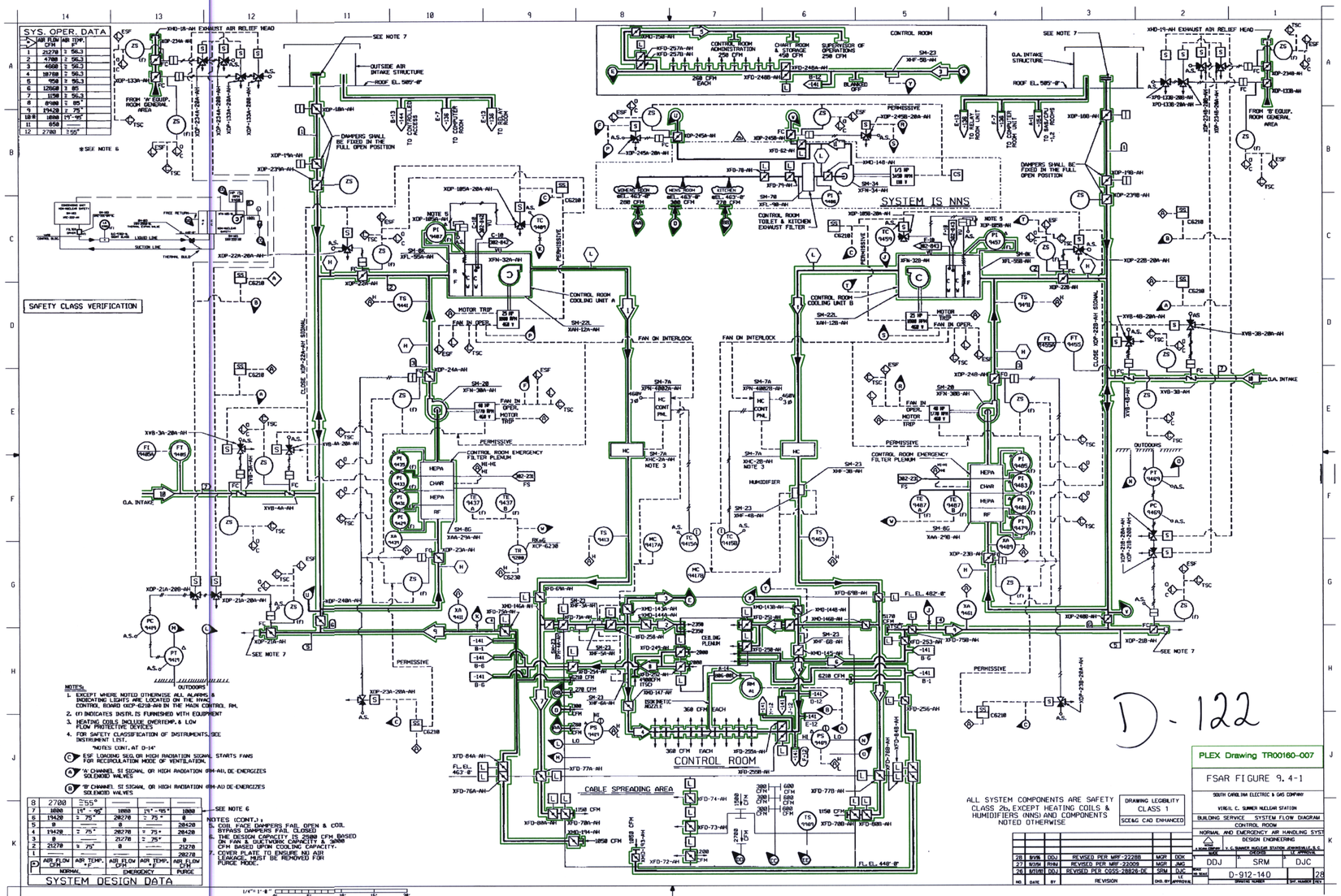
SYS. OPER. DATA
SYSTEM IS NNS
SAFETY CLASS VERIFICATION
CONTROL ROOM
CABLE SPREADING AREA
SYSTEM DESIGN DATA
NORMAL
EMERGENCY
PURGE
NOTES:
1. EXCEPT WHERE NOTED OTHERWISE ALL ALARMS & INDICATING LIGHTS ARE LOCATED ON THE HVAC CONTROL BOARD (XCP-6218-AH) IN THE MAIN CONTROL RM.
2. (F) INDICATES INSTR. IS FURNISHED WITH EQUIPMENT
3. HEATING COILS INCLUDE OVERTEMP. & LOW FLOW PROTECTIVE DEVICES
4. FOR SAFETY CLASSIFICATION OF INSTRUMENTS, SEE INSTRUMENT LIST.
NOTES CONT. AT D-14
C ESF LOADING SEQ. OR HIGH RADIATION SIGNAL STARTS FANS FOR RECIRCULATION MODE OF VENTILATION.
A "A" CHANNEL SI SIGNAL OR HIGH RADIATION (HM-AH) DE-ENERGIZES SOLENOID VALVES
B "B" CHANNEL SI SIGNAL OR HIGH RADIATION (HM-AH) DE-ENERGIZES SOLENOID VALVES
NOTES (CONT.):
5. COIL ON VICE DAMPERS FAIL OPEN & COIL BYPASS DAMPERS FAIL CLOSED
6. THE DESIGN CAPACITY IS 21000 CFM BASED ON FAN & DUCTWORK CAPACITY & 3000 CFM BASED UPON COOLING CAPACITY.
7. COVER PLATE TO ENSURE NO AIR LEAKAGE MUST BE REMOVED FOR PURGE MODE.
ALL SYSTEM COMPONENTS ARE SAFETY CLASS 2b, EXCEPT HEATING COILS & HUMIDIFIERS (NNS) AND COMPONENTS NOTED OTHERWISE
DRAWING LEGIBILITY CLASS 1
SCE&G CAD ENHANCED
D-122
PLEX Drawing TR00160-007
FSAR FIGURE 9.4-1
SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMMER NUCLEAR STATION
BUILDING SERVICE SYSTEM FLOW DIAGRAM
CONTROL ROOM
NORMAL AND EMERGENCY AIR HANDLING SYST
DESIGN ENGINEERING
DRAWN DDJ
CHECKED SRM
APPROVED DJC
D-912-140
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REVISION
REVISED PER MRF-22288
REVISED PER MRF-22009
REVISED PER CCDS-28826-DE