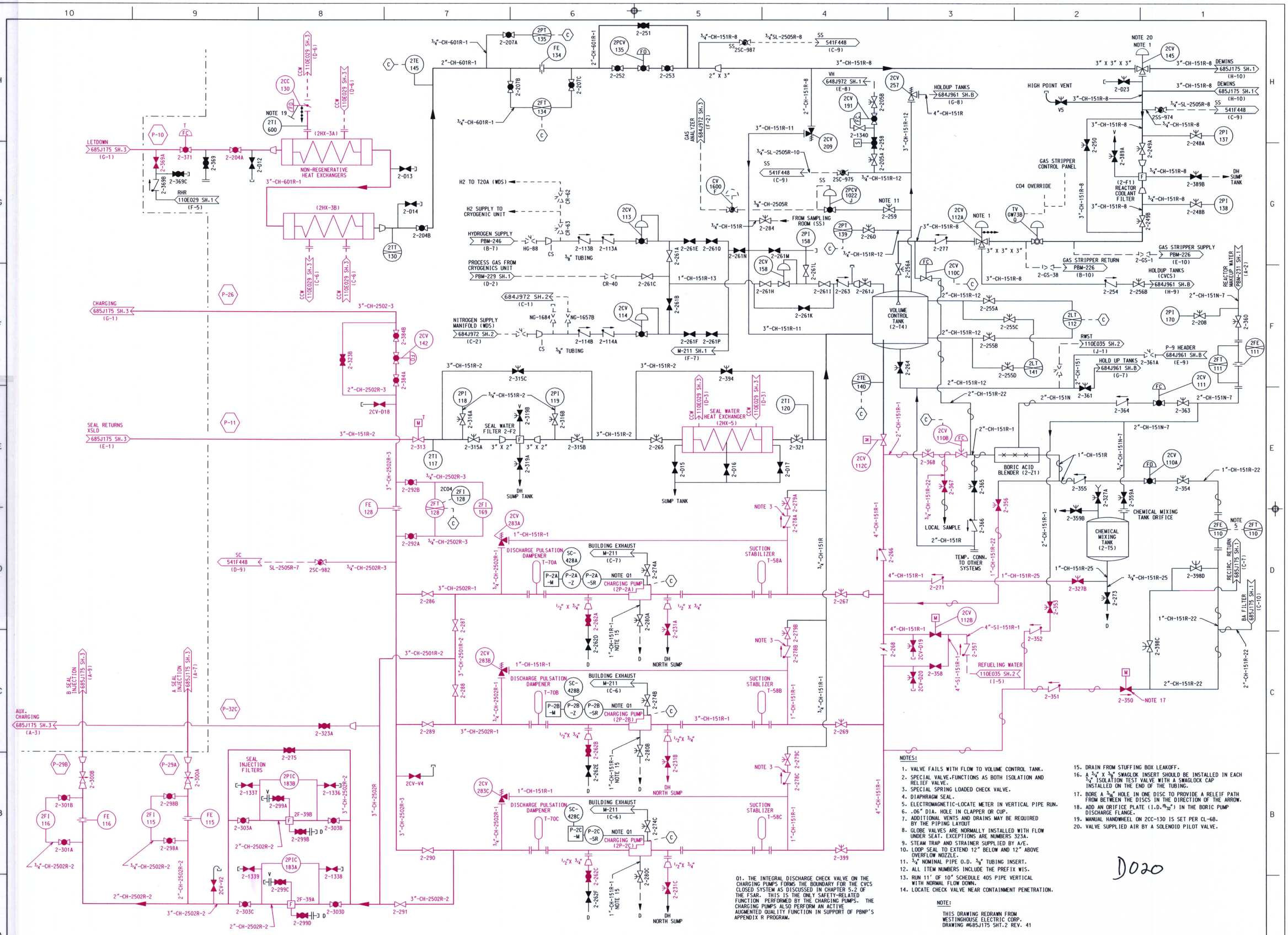

NOTES:

1. VALVE FAILS WITH FLOW TO VOLUME CONTROL TANK.
2. SPECIAL VALVE.FUNCTIONS AS BOTH ISOLATION AND RELIEF VALVE.
3. SPECIAL SPRING LOADED CHECK VALVE.
4. DIAPHRAGM SEAL.
5. ELECTROMAGNETIC-LOCATE METER IN VERTICAL PIPE RUN.
6. .06" DIA. HOLE IN CLAPPER OR CUP.
7. ADDITIONAL VENTS AND DRAINS MAY BE REQUIRED BY THE PIPING LAYOUT
8. GLOBE VALVES ARE NORMALLY INSTALLED WITH FLOW UNDER SEAT. EXCEPTIONS ARE NUMBERS 323A.
9. STEAM TRAP AND STRAINER SUPPLIED BY A/E.
10. LOOP SEAL TO EXTEND 12" BELOW AND 12" ABOVE OVERFLOW NOZZLE.
11. 3/4" NOMINAL PIPE O.D. 3/8" TUBING INSERT.
12. ALL ITEM NUMBERS INCLUDE THE PREFIX WIS.
13. RUN 11' OF 10" SCHEDULE 40S PIPE VERTICAL WITH NORMAL FLOW DOWN.
14. LOCATE CHECK VALVE NEAR CONTAINMENT PENETRATION.
15. DRAIN FROM STUFFING BOX LEAKOFF.
16. A 3/4" X 3/8" SWAGLOK INSERT SHOULD BE INSTALLED IN EACH 3/4" ISOLATION TEST VALVE WITH A SWAGLOCK CAP INSTALLED ON THE END OF THE TUBING.
17. BORE A 3/16" HOLE IN ONE DISC TO PROVIDE A RELEIF PATH FROM BETWEEN THE DISCS IN THE DIRECTION OF THE ARROW.
18. ADD AN ORIFICE PLATE (I.D.19/32") IN THE BORIC PUMP DISCHARGE FLANGE.
19. MANUAL HANDWHEEL ON 2CC-130 IS SET PER CL-6B.
20. VALVE SUPPLIED AIR BY A SOLENOID PILOT VALVE.

Q1. THE INTEGRAL DISCHARGE CHECK VALVE ON THE CHARGING PUMPS FORMS THE BOUNDARY FOR THE CVCS CLOSED SYSTEM AS DISCUSSED IN CHAPTER 5.2 OF THE FSAR. THIS IS THE ONLY SAFETY-RELATED FUNCTION PERFORMED BY THE CHARGING PUMPS. THE CHARGING PUMPS ALSO PERFORM AN ACTIVE AUGMENTED QUALITY FUNCTION IN SUPPORT OF PBNP'S APPENDIX R PROGRAM.

NOTE:

THIS DRAWING REDRAWN FROM WESTINGHOUSE ELECTRIC CORP. DRAWING #685J175 SHT.2 REV. 41

D020

LEGEND

MAGENTA - IN SCOPE LR

BLACK - NOT IN SCOPE LR

LR-685J175 SH-2
UNIT 2
CHEMICAL & VOLUME CONTROL
REV. 1 DATE:10-17-03