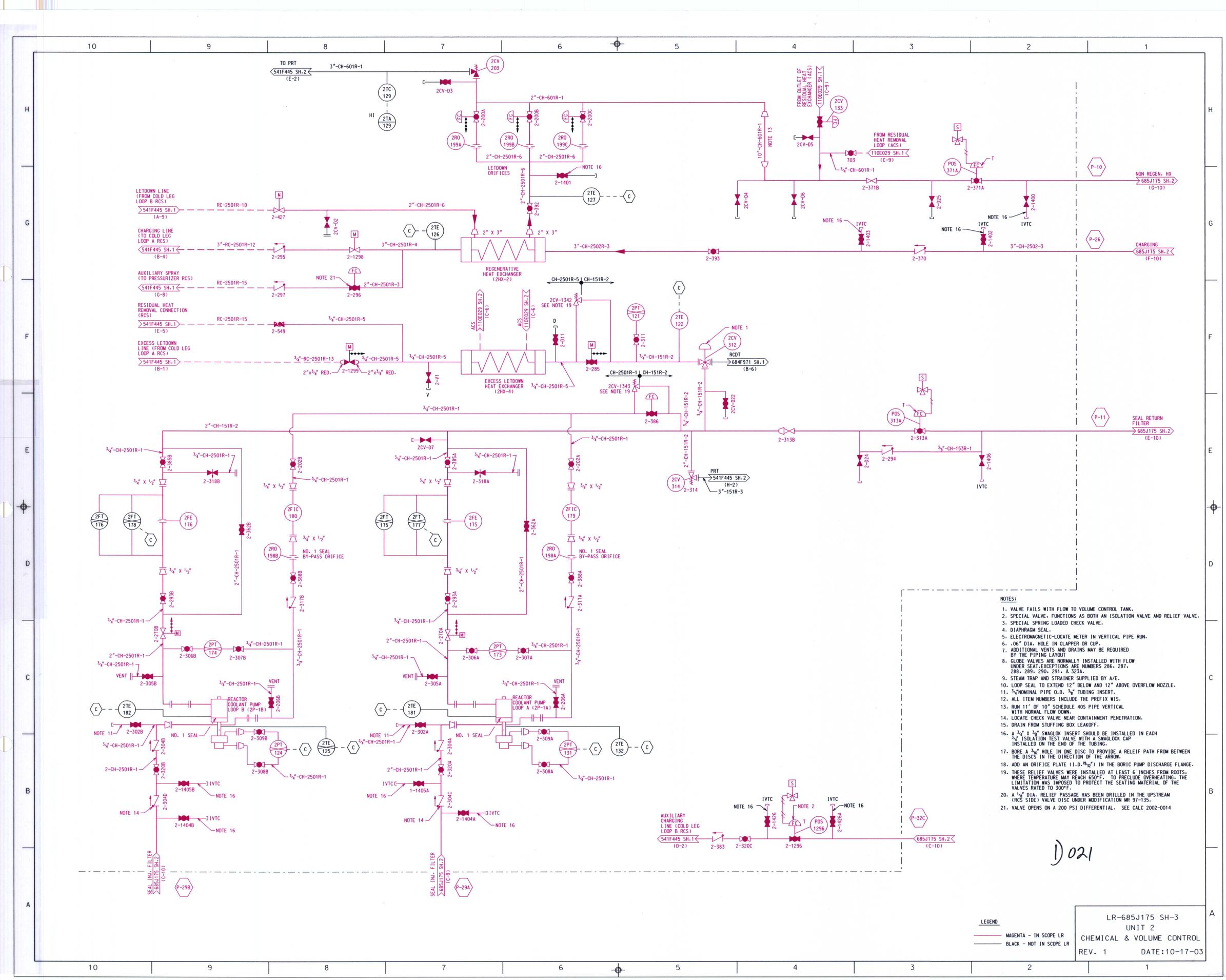

NOTES:

1. VALVE FAILS WITH FLOW TO VOLUME CONTROL TANK.
2. SPECIAL VALVE. FUNCTIONS AS BOTH AN ISOLATION VALVE 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 286. 287. 288. 289. 290. 291. & 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.$^{13}/_{32}$") IN THE BORIC PUMP DISCHARGE FLANGE.
19. THESE RELIEF VALVES WERE INSTALLED AT LEAST 6 INCHES FROM ROOTS. WHERE TEMPERATURE MAY REACH 650°F. TO PRECLUDE OVERHEATING. THE LIMITATION WAS IMPOSED TO PROTECT THE SEATING MATERIAL OF THE VALVES RATED TO 300°F.
20. A 1/8" DIA. RELIEF PASSAGE HAS BEEN DRILLED IN THE UPSTREAM (RCS SIDE) VALVE DISC UNDER MODIFICATION WR 97-135.
21. VALVE OPENS ON A 200 PSI DIFFERENTIAL. SEE CALC 2002-0014

1) 021

LEGEND

MAGENTA - IN SCOPE LR

BLACK - NOT IN SCOPE LR

LR-685J175 SH-3
UNIT 2
CHEMICAL & VOLUME CONTROL
REV. 1 DATE:10-17-03