



- NOTES:
1. THE SYSTEM LOCATOR CODE 'APP-PAS' HAS BEEN OMITTED FROM ALL COMPONENT NUMBERS. THE COMPONENT CODE HAS BEEN OMITTED FROM ALL COMPONENTS EXCEPT EQUIPMENT. REFER TO THE P&ID LEGEND DRAWING APP-AVH-001, 002, AND 003 FOR ADDITIONAL INFORMATION REGARDING COMPONENT NUMBERING.
 2. PROVIDE ACCESSIBILITY TO A SHORT SECTION OF PIPE FOR FREEZE SEAL INSTALLATION. SEE SSD FOR FREEZE SEAL PIPING REQUIREMENTS.
 3. ROUTE INLET PIPE FROM HOT LEG TO HIGH POINT PIPE STUB VENT DOWNSTREAM OF VALVE V101 WITHOUT A DOWNWARD SLOPING SECTION. ROUTE THE PRHR HX OUTLET LINE SUCH THAT IT BENTS TO EITHER THE PRHR HX OUTLET CHANNEL HEAD END OR THE SS CHANNEL HEAD END WITHOUT ANY LOCAL DOWNWARD SLOPING SECTIONS IN THE DIRECTION OF EITHER VENT FROM THE LOWEST POINT BETWEEN THEM. NO LOCAL LOW OR HIGH POINTS ARE ALLOWED IN EITHER THE INLET OR OUTLET LINES THAT WOULD PREVENT ASSOCIATED PIPING FROM VENTING PROPERLY TO THE LOCAL VENT PATH.
 4. PRHR VALVES ARE ALSO OPENED ON DAS SIGNAL THAT ACTUATES A SEPARATE SOLENOID VALVE IN THE INSTRUMENT AIR SYSTEM.
 5. RWST HAS MULTIPLE VENTS. REFER TO SSD FOR LOCATION/SIZE REQUIREMENTS. EACH VENT HAS AN AIRTIGHT COVER THAT OPENS WITH A LOW SP.
 6. LOCATE BOTH RNS GRANTY INJECTION LINE CONNECTIONS SUCH THAT THEY DRAIN THE WHOLE RWST. ENTRANCE PIPES HAS A ROUNDED CORNER WITH A RADIUS OF CURVATURE GREATER THAN OR EQUAL TO 1.5 INCH.
 6. LEVEL SWITCHES SHOULD BE AT THE SAME ELEVATION.
 7. PRHR SIGNAL FROM PAS OVERRIDES MODULATING SIGNAL FROM POSITIONER AND OPENS VALVE.
 8. PROVIDE 3/4" I.D. FLOW RESTRICTOR PER WESTINGHOUSE P&ID LEGEND DRAWING APP-GRW-001.
 9. RWST HAS MULTIPLE OVERFLOW LINES WHICH DISCHARGE TO THE REFUELING CAVITY LOWER PFT. REFER TO SSD FOR LOCATION/SIDE REQUIREMENTS. EACH OVERFLOW HAS AN AIRTIGHT COVER THAT OPENS WITH A LOW SP.
 10. GUTTER IS LOCATED AT OPERATING DECK ELEV. TO COLLECT CONDENSATE FROM CONTAINMENT SHELL. SUMP IS PROVIDED WITH NORMALLY OPEN DRAIN TO CONTAINMENT SUMP. CLOSING V100A AND V100B CAUSES DRAIN TO OVERFLOW INTO RWST. OVERFLOW LINE TERMINATES HORIZONTALLY 12 FEET AWAY FROM RWST SCREEN FACE AND WITHIN 5 FEET OF THE RWST FLOOR. GUTTER IS COVERED BY TRASH RACK.
 11. THREE SEPARATE CONTAINMENT WATER LEVEL INSTRUMENTS ARE PROVIDED COVERING CONTAINMENT LEVEL FROM BOTTOM OF REACTOR VESSEL CAVITY TO MAXIMUM FLOOD LEVEL. THE SENSORS FOR MEASURING THE CONTAINMENT FLOOD/LEVEL ARE ANALOG OUTPUT, MANUALLY AUTATED FLOAT LEVEL SENSORS.
 12. RWST GUTTER ISOLATION VALVES ALSO CLOSE ON DAS SIGNAL THAT ACTUATES A SEPARATE SOLENOID VALVE IN THE INSTRUMENT AIR SYSTEM.
 13. LOCATE STRAP-ON RTD ON PIPE, APPROXIMATELY 3 FEET BELOW HIGH POINT.
 14. DELETED
 15. RWST HAS H, L, L2, L3 ALARMS. L3 SETPOINT OPENS CONTAINMENT RECIRCULATION VALVES.
 16. ADD STATE ACTUATION SIGNAL OR LOW/H LEVEL SIGNAL OPENS RWST INJECTION VALVES.
 21. THE MANUAL VALVE HAS LIMIT SWITCHES CONNECTED TO POSITION ALARMS IN ACS.
 22. PROVIDE ACCESSIBILITY TO A SHORT SECTION OF PIPE FOR FREEZE SEAL INSTALLATION. SEE SSD FOR FREEZE SEAL PIPING REQUIREMENTS.
 26. ROUTE 'T' TEST CONNECTION LINE TO CONVENIENT LOCATION FOR HOOKUP TO A TEST CART.
 27. REMOVABLE COVER TO ALLOW FOR CHECK VALVE INSERVICE TESTING WITH MECHANICAL TEST DEVICE.
 28. LOCATE RTD JUST DOWNSTREAM OF VALVE V101.
 29. VALVES V100A, V100B, V100C, V100D ALSO OPEN ON A DAS SIGNAL.
 30. LOCATE RWST INJECTION LINES FROM RWST TO RWI AND CONTAINMENT RECIRCULATION LINES FROM CONTAINMENT TO RWST INJECTION LINES AT AN ELEVATION BELOW THE BOTTOM OF RWST.
 31. EXTEND 1/2" PIPE FROM RWST SUMP INTO PAS VALVE ROOM. CHANGE TO 1/2" AS SOON AS ENTERING PAS ROOM.
 32. TANK OVERFLOW CHANGE SAFETY CLASSIFICATION TO P&ID PENETRATION CONNECT WATER SENSORS IN BOTTOM OF HORIZONTAL PIPE RUN.
 33. TWO SEPARATE CONTAINMENT RECIRCULATION SCREENS PROVIDED. THE TWO SCREENS ARE INTERCONNECTED BY A LINE WITH A MINIMUM FLOW AREA OF 1 SQUARE FOOT.
 34. FLOW METER ELEMENT INCLUDES INTEGRAL 0.375" FLOW RESTRICTOR FOR CLASS A TO B TRANSITION SIMILAR TO P&ID LEGEND SHEET 2 NOTE 7.
 35. RWST AND ASSOCIATED PIPING TO HIGH POINT VENT ARE ALLOWED TO HAVE LOCAL DOWNWARD SLOPING SECTIONS. NO LOCAL LOW OR HIGH POINTS ARE ALLOWED THAT WOULD PREVENT ASSOCIATED PIPING FROM VENTING PROPERLY TO THE VENT LOCATIONS FOR THOSE PIPING SEGMENTS.
 36. ENDS OR RWST SCREEN CROSS-CONNECT PIPE HAVE ROUNDED CORNERS WITH A RADIUS OF CURVATURE GREATER THAN OR EQUAL TO 1.25".
 37. ROUTE LINE FROM CONTAINMENT RECIRCULATION SCREENS TO PARALLEL SCUB VALVES DOWNWARD WITHOUT ANY SLOPING SECTIONS SO THAT ALL PIPING SEGMENT CAN VENT TO CONTAINMENT THROUGH THE RECIRCULATION SCREENS.
 38. ROUTE LINE FROM REDUCER TO RWST SCREEN INLET WITHOUT A DOWNWARD SLOPING SECTION. PIPING SEGMENT MUST VENT TO RWST OUTLET AS THE HIGH POINT.
 39. ROUTE LINE FROM CONTAINMENT RECIRCULATION SCREENS TO PARALLEL SCUB VALVES DOWNWARD WITHOUT ANY SLOPING SECTIONS SO THAT ALL PIPING SEGMENT CAN VENT TO CONTAINMENT THROUGH THE RECIRCULATION SCREENS.