NOTES FOR DESIGNER:

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY.

2. SIZING CONDENSATE BRANCH LINE NO SMALLER THAN THE TRAP INLET: MINIMUM SIZE IS 3/4".

3. USE TWO PRVS IN SERIES WHEN THE TOTAL REDUCTION IN PRESSURE IS MORE THAN A 1 TO 1 RATIO OF THE GAUGE PRESSURE. SEE SHEET 2. SET THE FIRST PRV AT APPROXIMATELY 60 PSIG AND THE SECOND AS REQUIRED.

4. USE TWO PRVS IN PARALLEL WHEN THE LOAD DEMANDS FLUCTUATE THROUGH A WIDE RANGE. SEE SHEET 3.

A. WHEN SPLIT BETWEEN LOADS IS UNKNOWN, SELECT VALUES WITH CAPACITIES OF 1/2 TO 1 TIMES THE MAXIMUM LOAD, WITH THE SMALLER VALVE SET AT 2 PSIG HIGHER THAN THE LARGER VALVE, IF THE LOAD INCREASES, THE PRESSURE DROPS AND THE LARGER VALVE OPENS.

5. RELIEF VALVE SETTINGS (PER 2005 ASHRAE SYSTEMS & EQUIPMENT HANDBOOK, PAGE 10.10).

A. REDUCED PRESSURE UNDER 35 PSI: SET RELIEF VALVE AT LEAST 5 PSI HIGHER THAN REDUCED PRESSURE.

B. REDUCED PRESSURE ABOVE 35 PSI: SET RELIEF VALVE AT LEAST 10 PSI HIGHER THAN REDUCED PRESSURE.

6. BYPASS AROUND PRV SHALL BE EQUAL TO THE PIPING SIZE INTO PRV.

7. MOISTURE SEPARATOR SHALL BE LINE SIZE. INSTALL ONLY IN BUILDING STEAM SUPPLY LINE TO BUILDING.

A. MINIMUM BUILDING SUPPLY LINE SIZE 2 1/2".

B. TRAP SIZE AND CONDENSATE PIPING SIZE SHALL BE THE SAME SIZE AS THE MOISTURE SEPARATOR DRAIN PORT. MINIMUM SIZE 3/4".

8. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL INFORMATION:

A. MASTER SPECIFICATION 33-6300, STEAM ENERGY DISTRIBUTION (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

B. COMPLY WITH ASME B31.1 POWER PIPING. DESIGN STEAM PIPING FOR 150 PSIG AND 500 DEGREES F.

C. DESIGN CONDENSATE PIPING FOR 250 DEGREES F.

9. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL INFORMATION:

A. MASTER SPECIFICATION 33-6300, STEAM ENERGY DISTRIBUTION (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

B. COMPLY WITH ASME B31.1 POWER PIPING. DESIGN STEAM PIPING FOR 150 PSIG AND 500 DEGREES F.

C. DESIGN CONDENSATE PIPING FOR 250 DEGREES F.

D. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL INFORMATION:

A. MASTER SPECIFICATION 33-6300, STEAM ENERGY DISTRIBUTION (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

B. COMPLY WITH ASME B31.1 POWER PIPING. DESIGN STEAM PIPING FOR 150 PSIG AND 500 DEGREES F.

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