

input rating of all equipment located in the enclosure. The free area must be no less than the sum of the areas of all vent connectors in the confined space.

6. In calculating free area using louvers, grilles or screens for the above, consideration shall be given to their blocking effect. Screens used shall not be smaller than 1/4 inch mesh. If the free area through a design of louver or grill is known, it should be used in calculating the size opening required to provide the free area specified. If the design and free area is not known, it may be assumed that wood louvers will have 20-25% free area and metal louvers and grilles will have 60-75% free area. Louvers and grilles should be fixed in the open position or interlocked with the boiler so they are opened automatically during the boiler operation.

CONNECTING SUPPLY AND RETURN PIPING

1. Suggested piping for steam heating system can be seen in figure 5 below. Actual piping may vary based on system design and local conditions.

2. Suggested piping for a modular steam boiler using pumped returns may be seen in figures 6a and 6b on page 6. Actual piping may vary based on system design and local conditions.

3. Refer to pages 17 & 18 for procedures on cleaning and skimming off impurities.

4. "Near Boiler Piping" is crucial for proper performance of a replacement steam boiler and should always be considered as part of the boiler installation. Always be sure to include cleanout and skimming tees in the near boiler piping. These "Tees" are necessary for proper cleaning and servicing of the boiler.

5. For further piping information refer to the I=B=R installation piping guide.

