

## SECTION 1: PLANNING YOUR RADIANT HEATING SYSTEM

### BEFORE YOU BEGIN

Whether you are building a new house, adding an addition, or remodeling one or more rooms, you and a representative from the Janes Company have worked together to plan your radiant heating system. The Janes Company has provided you with an Installation Package that provides a customized layout for the tubing, along with suggested locations for the other components of your system. Figure 1 shows the basic components of a radiant heating system.

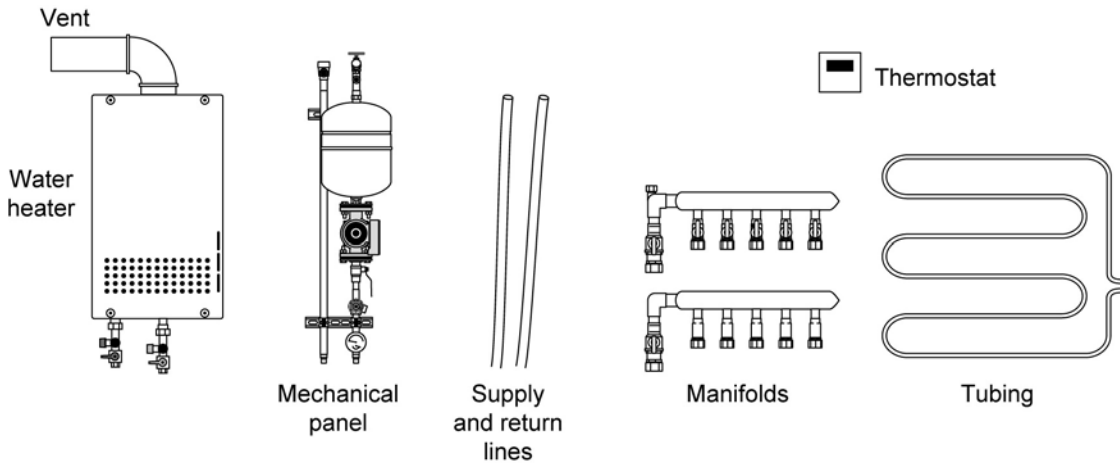


FIGURE 1 BASIC COMPONENTS OF A RADIANT HEATING SYSTEM

#### Before you begin the installation, determine the following:

- The location and size of the manifold box or boxes. See “Building a Manifold Box” on page 5.
  - The route that the supply and return lines will take from the manifold(s) to the mechanical panel. See “Installing the Supply and Return Lines” on page 9.
  - The location of the thermostat, and a route for the wires from the thermostat to the mechanical panel. See “Locating the Thermostat” on page 11.
  - The location of the water heater and how and where it will be vented. Read the installation manual for your water heater.
- **IMPORTANT** *There are a number of limitations and warnings associated with locating and installing a water heater, and you need to understand them before you start.*
- The location of the mechanical panel and a plan for how you will connect it to the water heater. See “Installing the Mechanical Panel” on page 30.
  - The local codes that apply and the necessary permits required for all phases of the work.