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LOCATION OF GAS PIPING and TUBING SYSTEMS

Subject: CONCEALED PIPING AND TUBING

This bulletin has been jointly developed by Safety Services and the Gas Technical Council to inform the gas industry of the requirements in the **Natural Gas and Propane Installation Code CSA-B149.1**, associated with the installation of gas piping and tubing.

Except for a false ceiling space, including one used as a return-air plenum of a central warm-air or air-conditioning system, gas piping and tubing shall not be installed in a heating or ventilating plenum, duct, or shaft. However, when gas piping or tubing contains no possible leak sources and is located in a joist space being used as a return-air supply, the joist space is considered equivalent to a false ceiling space utilized as a return air plenum.

Therefore, gas piping or tubing that contains **no fittings or joints** may pass through a joist space being used as a means to supply return-air into a duct system connected to a plenum of a central furnace. Alternatively, piping or tubing containing fittings or joints shall be run in a sleeve; the sleeve shall be of such material and so installed as to protect the piping or tubing from damage and galvanic action. When piping or tubing is run in a sleeve, the sleeve shall extend at least 1 in (25 mm) through the joist and shall be sealed to the joist.

The piping and tubing shall be installed with individual supports of sufficient strength, quality and spacing outlined in the Code under piping practices. In addition, corrugated stainless steel tubing (CSST) shall be protected against physical damage in accordance with the manufacturer's **certified** installation instructions.

Installers are also reminded to ensure that any concealed piping or tubing that contains fittings or joints shall not be run where the fittings or joints cannot be inspected and tested in accordance with the Code requirements in their final position prior to being concealed.

The purpose of this notice is to ensure that **Designers** and **Installers** are aware of the provisions for location and testing of gas piping or tubing that may be concealed during construction.



SAFETY CODES COUNCIL

Issue of this STANDATA is authorized by
the Administrator

Carey LaRose

