VENT AND VENT CONNECTORS – LENGTH, PITCH, AND CLEARANCES

Section 224 of the County of Los Angeles Mechanical Code has the following definitions for a VENT and VENT CONNECTOR:

> **VENT** – A passageway composed of listed factory-built components assembled in accordance with the manufacturer's instructions for conveying vent gasses from appliances or their vent connectors to the outdoors.
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> **VENT CONNECTOR, GAS** – That portion of a gas-venting system that connects a listed gas appliance to a gas vent and is installed within the space or area in which the appliance is located.

Generally, vent connectors are confined to the room or space in which the appliance is located. Section 802.10.12 allows a vent connector to pass through walls or partitions when it is made of listed Type B or L vent material with not less than the listed clearance to combustible material.

Section 802.10.6 regulates length, pitch, and clearances of **vent connectors**. Vent connectors may be run at a minimum slope of one-quarter (1/4) inch per foot.

Gravity vents (serving other than forced draft appliances) must be run in a generally vertical direction with offsets not to exceed forty-five (45) degrees from the vertical. They may have one sixty (60) degree offset from the vertical.

The total horizontal run (offset) of a venting system (connector and vent) shall not be greater than seventy-five (75) percent of the vertical height of the vent termination above the highest vent collar which the vent system serves. However, if the connector is a double wall Type B vent material, Section 802.10.7.2 would allow the horizontal run to be 100% of the vertical height of the vent. Systems designed and sized as provided in Section 803.0 for "fan-assisted" type appliances or other approved engineered systems do not have to comply with these provisions. When venting a wall furnace, the requirements of Section 907 must be followed.

Supersedes MCM 805 (04/01/2003)

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