

VENT TERMINATION

2016 CALIFORNIA MECHANICAL CODE SECTION 802.6

The following is a list of the general requirements for vent termination based on the 2016 California Mechanical Code. This handout is intended to provide only general information, contact the Building and Safety Division for any questions or additional information.

802.6 Gas Vents. A gas passing through a roof shall extend through the entire roof flashing, roof jack, or roof thimble and be terminated with a listed termination cap. [NFPA 54: 12.7.1(1)]

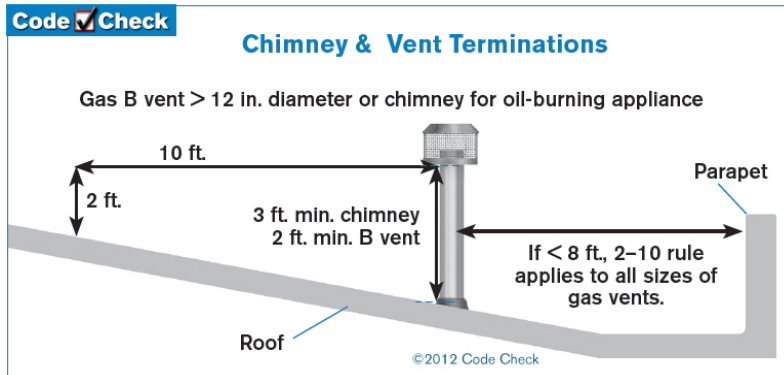
802.6.1 Fasteners. Screws, rivets, and other fasteners shall not penetrate the inner wall of double wall gas vents, except at the transition from the appliance draft hood outlet, flue collar, or single wall metal connector to a double wall vent. [NFPA54:12.7.1(4)]

802.6.2. Termination Requirements. A gas vent shall terminate in accordance with one of the following:

- (1) Gas vents that are 12 inches (305 mm) or less in size and located not less than 8 feet (2438 mm) from a vertical wall or similar obstruction shall terminate above the roof in accordance with Figure 802.6.2 and Table 802.6.2. Gas vents that are over 12 inches (305 mm) in size or are located less than 8 feet (2438 mm) from a vertical wall or similar obstruction, shall terminate not less than 2 feet (610 mm) above the highest point where they pass through the roof and not less than 2 feet (610 mm) above a portion of a building within 10 feet (3048 mm) horizontally.
- (2) Industrial appliances as provided in Section 802.2.3.
- (3) Direct-vent systems as provided in Section 802.2.4.
- (4) Appliance with integral vents as provided in Section 802.2.5.
- (5) Mechanical draft systems as provided in Section 802.3.3.
- (6) Ventilating hoods and exhaust systems as provided in Section 802.3.4. [NFPA 54:12.7.2(1)]

802.6.2.1 Type B and L Vents. A Type B or a Type L gas vent shall terminate not less than 5 feet (1524 mm) in vertical height above the highest connected appliance draft hood or flue collar. [NFPA54:12.7.2(2)]

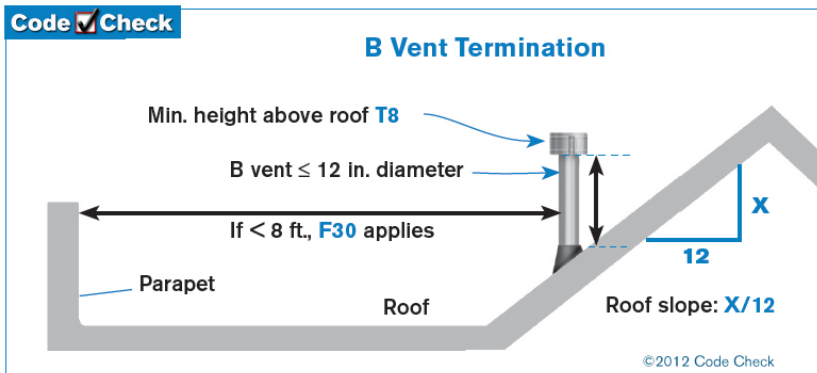
802.6.2.2 Type B-W Vents. A Type B-W gas vent shall terminate not less than 12 feet in vertical height above the bottom of the wall furnace. [NFPA 54:12.7.2(3)]



802.6.2.3 Exterior Wall Termination. A gas vent extending through an exterior wall shall not terminate adjacent to the wall or below eaves or parapets, except as provided in Section 802.2.4 and Section 802.3.3. [NFPA 54:12.7.2(4)]

802.6.2.4 Decorative Shrouds. Decorative shrouds shall not be installed at the termination of gas vents except where such shrouds are listed for use with the specific gas venting system and are installed in accordance with the manufacturer's installation instructions. [NFPA 54:12.7.2(5)]

802.6.2.5 Termination Cap. A gas vent shall extend through the roof flashing, roof jack, or roof thimble and terminate with a listed cap or listed roof assembly. [NFPA54:12.7.2(6)]



802.6.2.6 Forced Air Inlet. A gas vent shall terminate not less than 3 feet above a forced air inlet located within 10 feet. [NFPA54:12.7.2(6)]

802.6.2.7 Insulation Shield. Where a vent passes through an insulation assembly, an approved metal shield shall be installed between the vent and insulation. The shield shall extend not less than 2 inches (51 mm) above the insulation and be secured to the structure in accordance with the manufacturer's installation instructions.