



City of Santa Monica
Building and Safety Division

Wall Furnace Installation Checklist

This is to be used as a general checklist; it is not inclusive of all code requirements and inspection criteria.

Per 2010 California Mechanical Code (CMC)

- Listed wall furnaces shall be installed in accordance with their listings and manufacturer's installation instructions. CMC 928.1 A
- Unlisted wall furnaces shall not be installed or attached to combustible materials. CMC 928.1 B
- Type BW vent secured to top of furnace with listed plate per manufacturer.
- Type BW gas vent shall be attached directly to a solid heater plate that serves as a firestop. CMC 928.1C
- The 14 ½" stud space in which the vented wall furnace is installed shall be ventilated at the first ceiling level by installation of the ceiling plate spacers. Ceiling plate spacers to center BW gas vent in stud space. CMC 928.1C
- Fire stop spacers shall be installed at each subsequent ceiling or floor level penetrated by the vent. CMC 929.1 C
- Wall furnaces shall be located so as not to cause a hazard to walls, floors, curtains, furniture or doors. CMC 928.2 (typically 6" inch minimum to walls, 12" from door swing). Not allowed in exterior walls unless listed to do so, or in common walls in multifamily occupancies.
- Do not rely on doorstops for clearance, no ducts attached to wall furnace.
- A gas vent passing through a roof shall extend through entire roof flashing, roof jack or roof thimble terminating with listed termination cap. CMC 802.6.1
- Type B or Type L vents shall extend vertically with not more than 45 degree offsets, (not more than one 60 degree offset permitted).
- Angle greater than 45 degrees from vertical is considered horizontal. CMC 802.6.1.1
- Distance of horizontal vent from draft hood shall not be greater than 75% of the vertical height of the vent. CMC 802.6.1.1

VENT TERMINATION

- Gas vents 12" inches or smaller with listed cap shall terminate 8' from vertical wall or similar obstruction. CMC 802.6.2
- 2' Ft above highest point of roof. At least 2 feet higher than any point of the building within 10 feet. CMC 802.6.2
- Type BW gas vent shall terminate at least 12ft in vertical height above the bottom of wall furnace. CMC 802.6.2.2
- Gas vent extending through an exterior wall shall not terminate adjacent to wall or below eaves or parapets. CMC 802.6.2.3
- Decorative shroud shall not be installed at the termination of gas vents except the shroud is listed for use with specific gas venting system and are installed in accordance with manufacturers' installation instructions. CMC 802.6.2.4
- All gas vents shall terminate at least 3ft above a forced air inlet located within 10ft. CMC 802.6.2.6