

## REQUIREMENTS FOR RESIDENTIAL WATER HEATER INSTALLATION

- Water heaters shall be anchored or strapped to resist horizontal displacement due to earthquake motion. Strapping shall be at points within the upper one third ( $\frac{1}{3}$ ) and lower one-third ( $\frac{1}{3}$ ) of its vertical dimensions. At the lower point, a minimum distance of four (4) inches (102 mm) shall be maintained above the controls with the strapping CPC 507.2
- Appliances in residential garages and in adjacent spaces that open to the garage and are not part of the living space of a dwelling unit shall be installed so that all burners and burner-ignition devices are located not less than 18 inches (457 mm) above the floor unless listed as flammable vapor ignition resistant CPC 507.13
- Listed vents shall be installed in accordance with Section 509.0 and the manufacturer's installation instructions.
- **NOTE:** A newer water heater of the direct vent type shall be installed in accordance with the terms of its listing, the manufacturer's installation instructions and the 2022 CPC.
- Temperature, pressure, and vacuum relief devices or combinations thereof, and automatic gas shutoff devices shall be installed in accordance with the terms of their listings and the manufacturer's installation instructions. A shutoff valve shall not be placed between the relief valve and the water heater or on discharge pipes between such valves and the atmosphere. The hourly British thermal units (Btu) (kWh) discharge capacity or the rated steam relief capacity of the device shall be not less than the input rating of the water heater. Discharge piping shall be installed in accordance with Section 608.5 Discharge Piping Items 1-8.
- To protect your water heater from a moving vehicle, appliances installed in garages, warehouses, or other areas subject to mechanical damage shall be guarded against such damage by being installed behind protective barriers or by being elevated or located out of the normal path of vehicles CPC 507.13.1
- Pipe Insulation Requirements shall be installed per California Energy Code Section 150(j) and Section 120.3

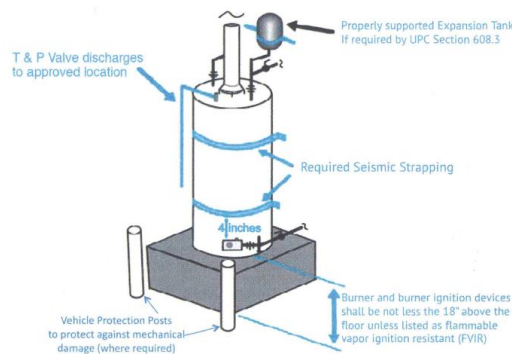


FIGURE 507.13A  
 RESIDENTIAL GARAGE WATER HEATER INSTALLATION

THIS DOCUMENT IS FOR RESIDENTIAL PROJECTS ONLY.  
 PLEASE CHECK WITH THE BUILDING SAFETY DIVISION FOR COMMERCIAL PROJECTS