

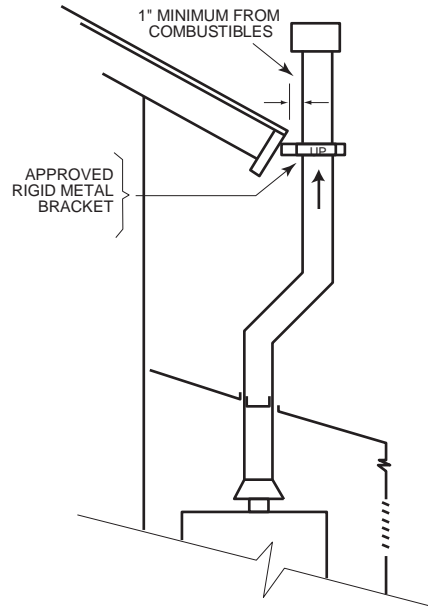
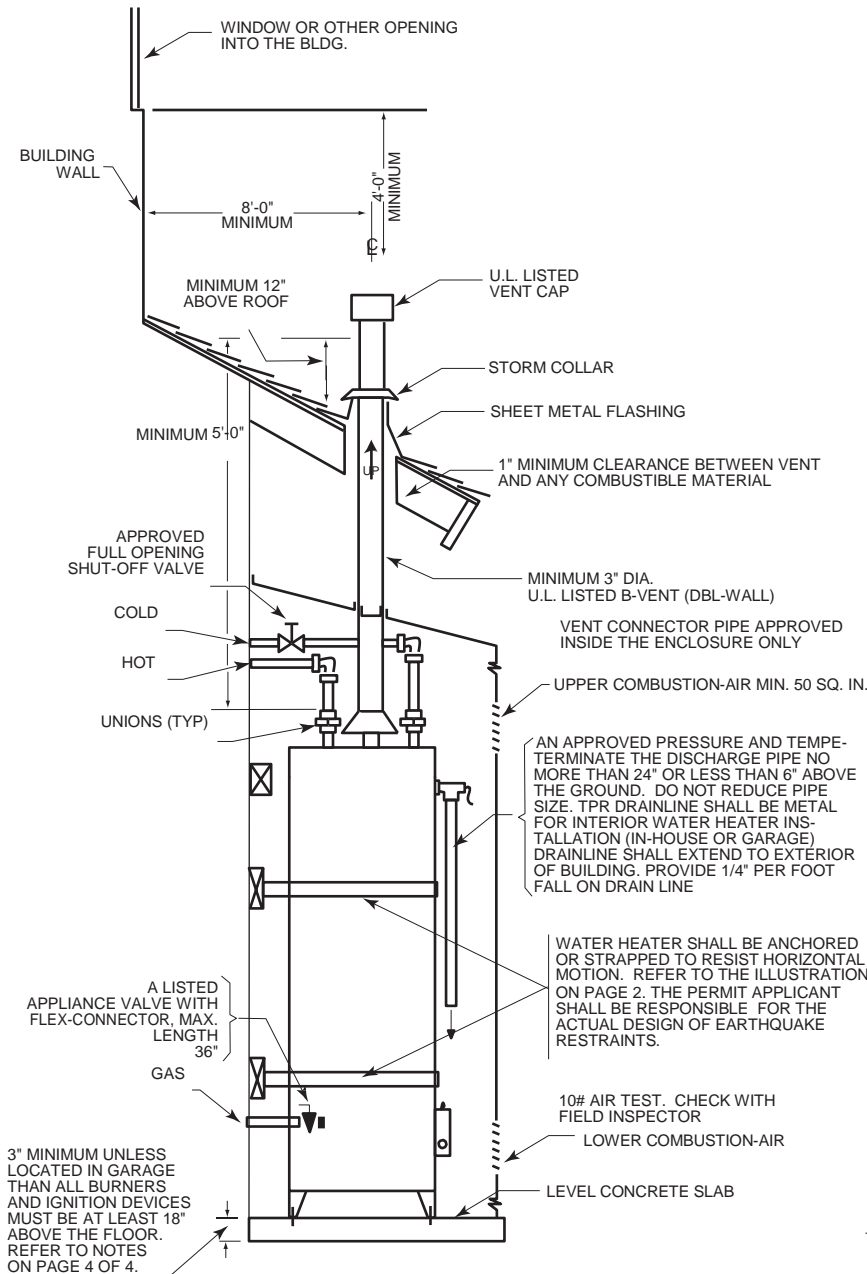
RESIDENTIAL WATER HEATER INSTALLATION

PLB-02 CPC 2022

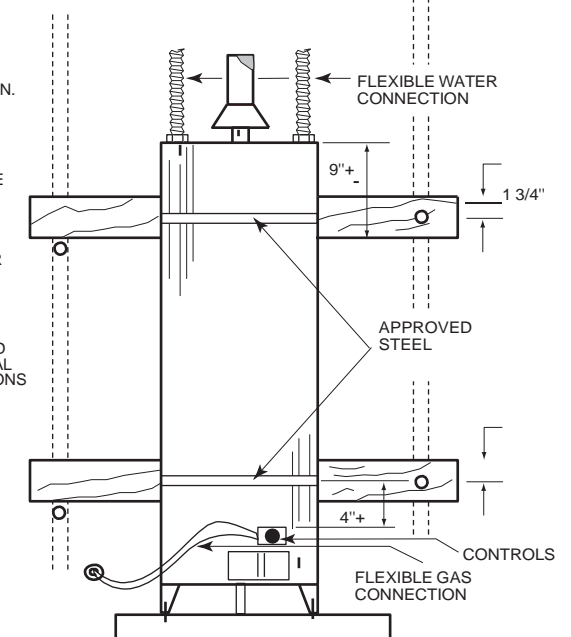
It is unlawful for a person to install, remove, or replace or cause to be installed, removed, or replaced a water heater without first obtaining a permit from the City.

Applicable Codes:

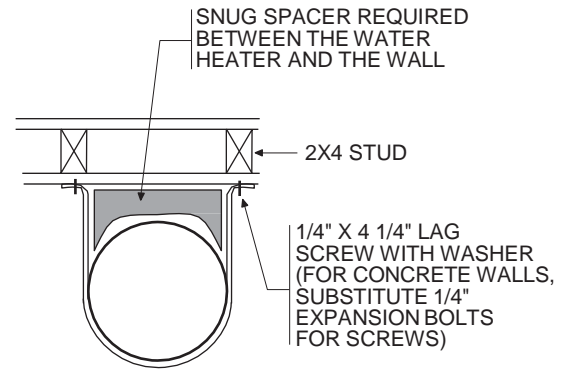
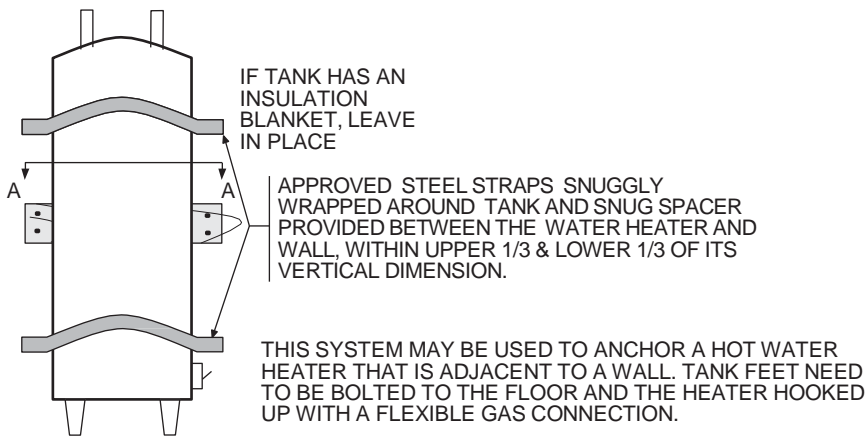
1. 2022 California Plumbing Code (CPC)
2. 2022 California Mechanical Code (CMC)
3. 2022 California Energy Code (Title24, Part 6)
4. 2022 California Building Code (CBC)
5. Santa Ana Municipal Code
6. City of Santa Ana Citywide Design Guidelines



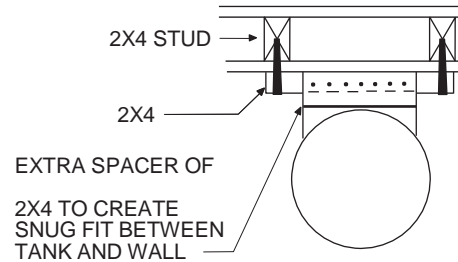
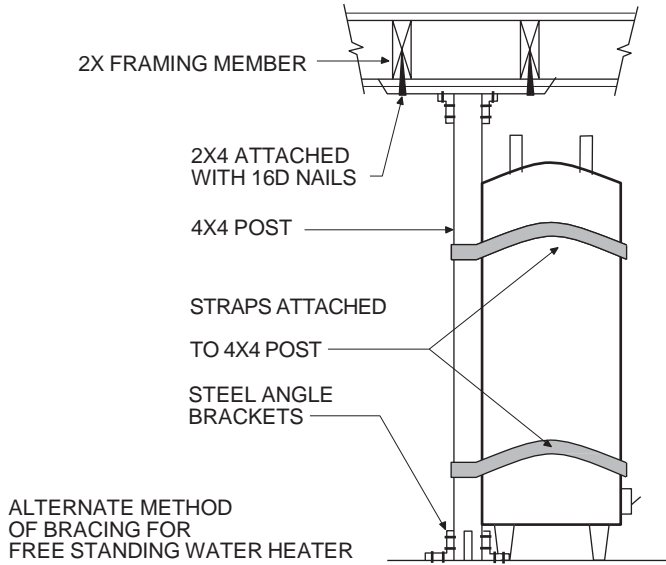
THE PERMIT APPLICANT SHOULD CHECK WITH THE PLANNING DIVISION FOR SHED AND SUBMIT A SITE PLAN SHOWING EXACT LOCATION OF THE SHED ON THE PROPERTY. THE PLANNING DIVISION'S APPROVAL IS REQUIRED PRIOR TO THE PERMITS



Tankless water heater requirements on reverse side

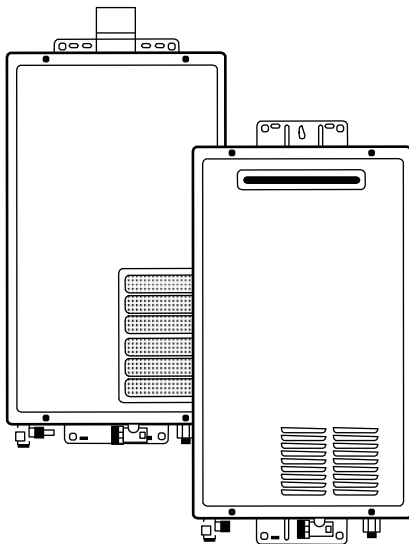


SECTION A-A



ALTERNATE SECTION A-A

TANKLESS WATER HEATERS



Tankless water heaters are becoming a popular, energy-efficient replacement for standard tank-type heater. When installing a tankless water heater there are many things to consider.

CAUTION: Manufacturer's installation instructions often require special venting materials and specific installation practices.

NOTE: Most installations require larger combustion air openings/ducts to be installed.

BEWARE: Typical tankless water heater gas demands require gas pipe sizes to be **significantly increased** or additional dedicated piping, from the gas meter to the water heater, to be installed.

The following items will need to be provided to the inspector at the time of the initial water heater inspection:

1. Water heater and venting material manufacturers' installation instructions.
2. Calculations/drawings for the increased gas demand.

CITY OF SANTA ANA CITYWIDE DESIGN GUIDELINES

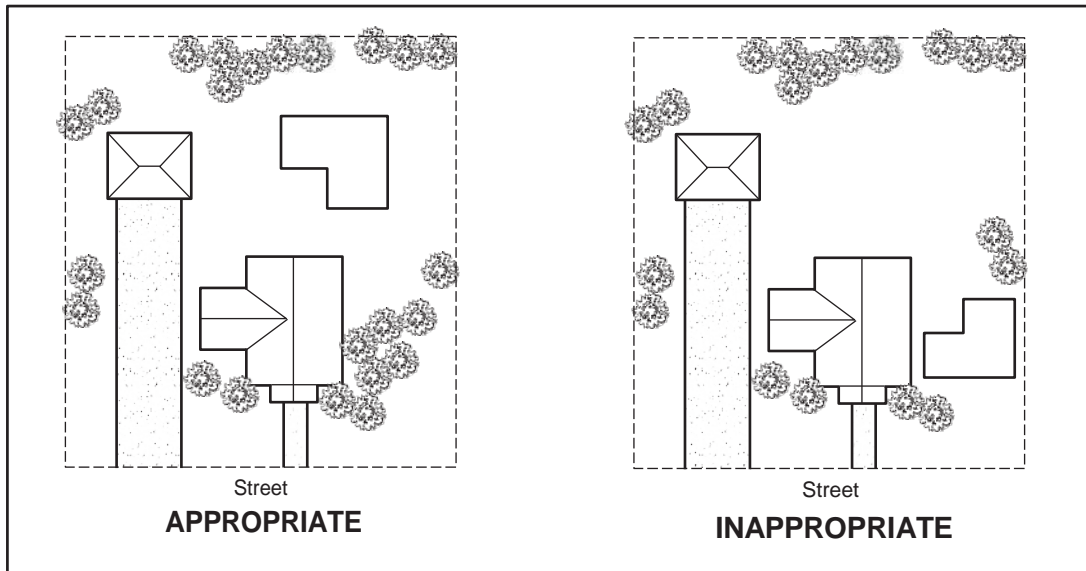


Figure 6-49: Locate accessory structures to the rear of a property

1. Mechanical equipment such as air-condition units, utility meters, transformers, water heaters, satellite dishes, etc. may not be located on the front elevation.
2. On new homes or when additions are proposed, water heaters should be located within a building's foot print.
3. Water heater enclosures are discouraged. When used, enclosures should be architecturally compatible with the primary structure and fully enclosed.
4. Solar panels should not directly face to the street and should be installed in recesses into the roof structure whenever possible. Solar panels should be fully integrated into the roof structure.
5. When possible, consider the installation of solar panels on accessory structures, patios or ground mounted in the rear yard, away from the public view.

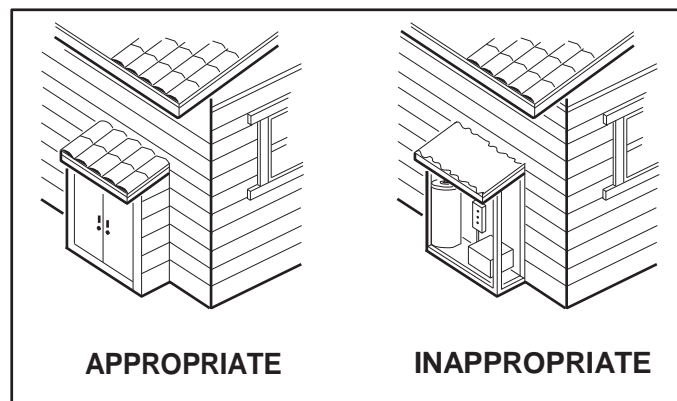
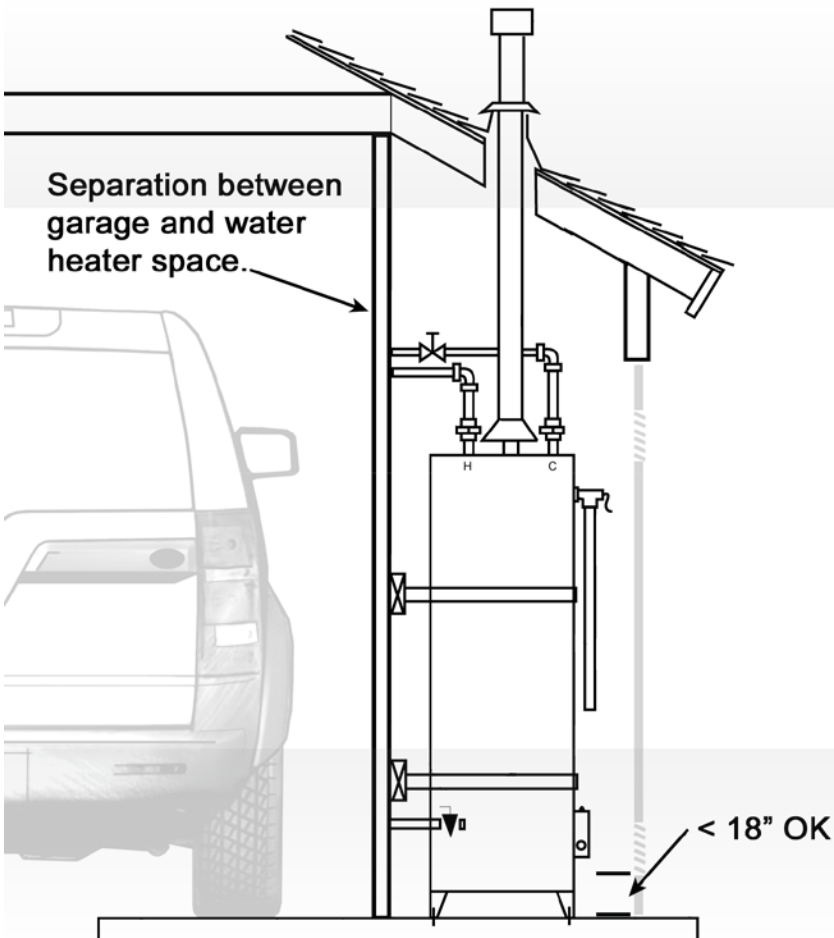
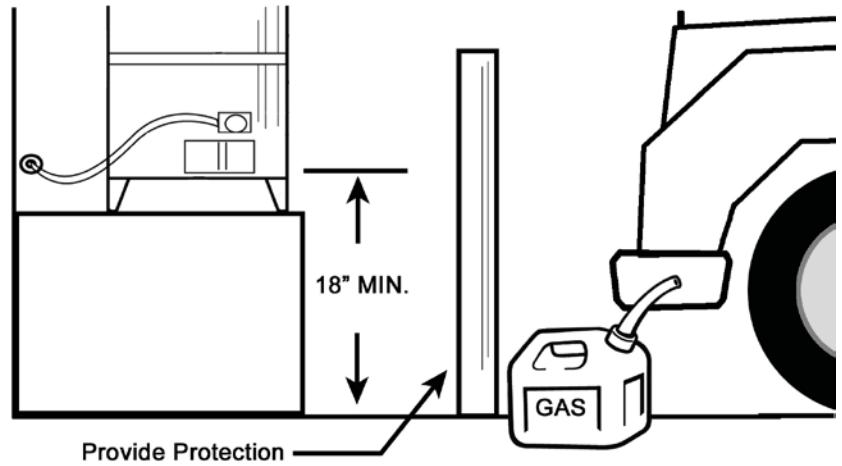


Figure 6-50: Water heater enclosures should be architecturally compatible with the house.

NOTES: CPC Installation in Residential Garages

- (1) Gas utilization equipment 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 than less 18 inches above the floor unless listed as flammable vapor ignition resistance.
- (2) Such equipment shall be located or protected so it is not subject to physical damage by a moving vehicle.



- (3) When appliances are installed in a separate, enclosed space having access from only out-side of the garage, such equipment may be installed at floor level, providing the required combustion air is taken from the exterior of the garage.

Combustion and ventilation air shall be provided and installed in accordance with CPC Section 506.0.