WATER HEATER INSTALLATION
(General Guidance)

Vent Cap →
8' Minimum →
2nd-Story Exterior Wall

Cold Water Shut Off Valve
asio Bonding
Combustion Air Vents
Gas Valve, Connector and Sediment Trap At Control Valve

1 Hour Rated 5/8" Drywall

Pipe Insulation
Union Type Connections Within 12" of Heater
T&P Relief Valve and Discharge Line
Seismic Bracing
Installation Instructions

Vehicle Protection Post
Drain Pan with Drain
18" Stand or Platform for garage installs
Replacement water heaters shall comply with one of the options below in addition to the Appliance Efficiency Regulations (Title 24, Part 6) and insulation requirements listed below.

1. A natural gas or propane water-heating system shall meet one of the requirements listed below and have no recirculation system.
   a. Gas or propane storage type water heater with an input of 75,000 Btu per hour or less.
   b. Gas or propane instantaneous water heater with an input of 200,000 Btu per hour or less and no tank.
   c. Electric-resistance storage or instantaneous water heater may be installed as the main water heating source only if the following conditions are met:
      i. natural gas is unavailable,
      ii. the water heater is located within the building envelope, and
      iii. a compliant solar water-heating system is installed.

Hot water system piping shall be insulated as follows:

A. Domestic hot water system piping listed below must be insulated with 1” thick pipe insulation.
   i. The first 5 feet (1.5 meters) of hot and cold water pipes from the storage tank.
   ii. All piping associated with a domestic hot water recirculation system.
   iii. Piping from the heating source to storage tank or between tanks.
   iv. All hot water pipes from the heating source to the kitchen fixtures.

NOTE: Existing inaccessible piping shall not require insulation

NOTE: Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII).

NOTE: Piping installed in attics with a minimum of 4 inches of attic insulation on top of the piping shall not be required to have pipe insulation.