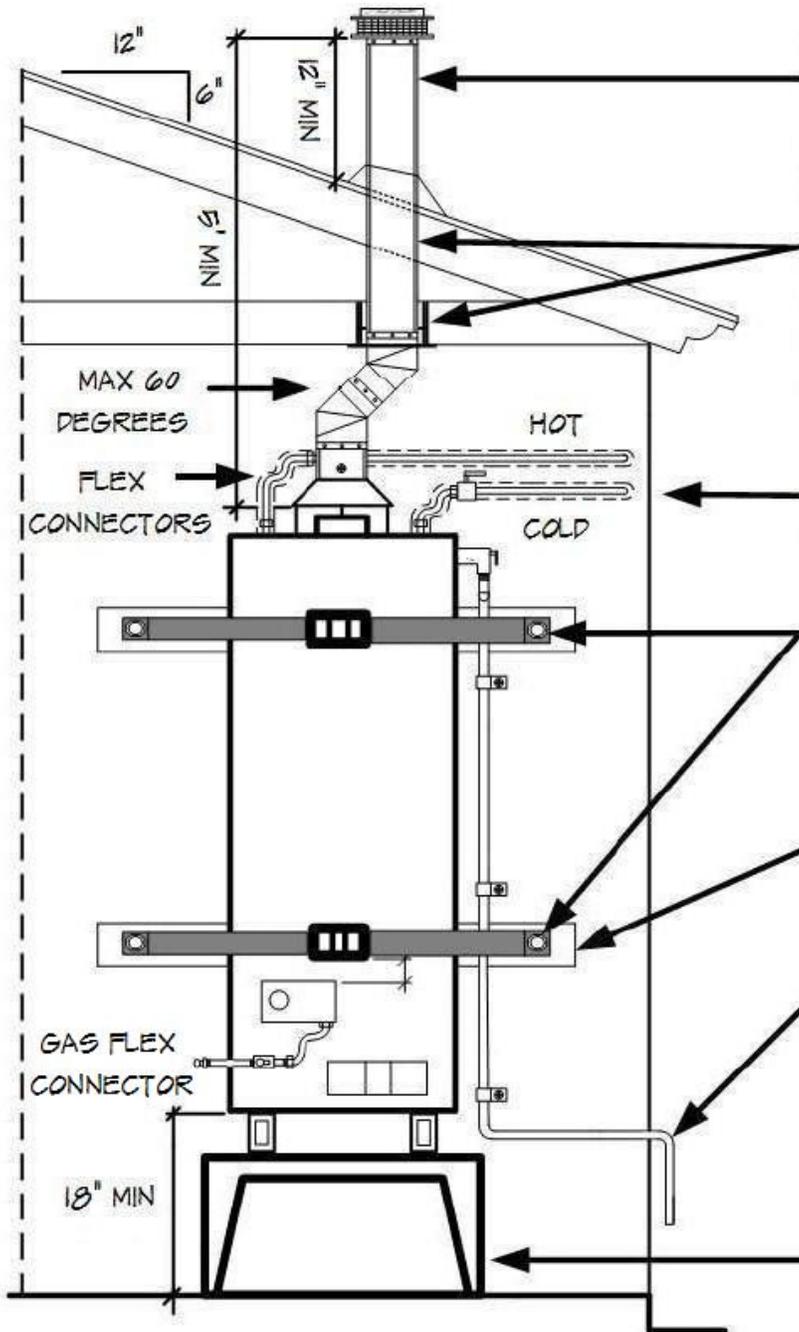




CITY OF RIALTO
 DEVELOPMENT SERVICES DEPARTMENT
 Building Division
 (909) 820-2505

Water Heater Installations

The information in this handout is only applicable to a typical residential water heater installation.



Venting for the water heater shall be Type B (double wall) vent pipe and shall terminate at least 5 feet above the draft hood or collar, and at least 12 inches above roof (steeper pitched roofs & forced-air inlets require additional clearances).

Provide minimum 1 inch clear space from vent to any combustible materials. When Type B vent is installed in attic, provide ceiling thimble for the double wall vents. NO single wall vents allowed in attic space.

Insulate pipes (hot & cold) within the first 5 feet of the water heater.

Seismic strapping shall be within the upper & lower 1/3 of tank. A minimum distance of 4 inches shall be maintained between the controls and the lower strap.

Provide a 2x backer block top and bottom behind water heater for support if there is no stud directly behind the tank.

Combination Temperature and Pressure Relief Valve (TPRV) and approved discharge pipe (galvanized steel or hard-drawn copper) terminating to the outside of the building with end of pipe not more than 24 inches nor less than 6 inches from the ground. Discharge pipe shall only point in a downward direction and with no threads on end.

Gas water heaters in residential garages must be elevated a minimum of 18 inches above floor. Additionally, water heaters shall be protected so as not to be subject to physical damage by a moving vehicle.

COMBUSTION AIR: Combustion air openings shall be provided within the upper & lower 12 inches of approved enclosure and shall be supplied by direct vent openings or by approved ducts. *Combustion air from the inside of building* shall be at least 1 square inch per 1000 Btu/h of total input rating but not less than 100 square inch per opening. If the volume of the garage equals at least 50 cubic feet per 1000 Btu/h input no additional openings are needed. *Combustion air from the outdoors* shall be at least 1 square inch per 4000 Btu/h of total input rating.