WATER HEATER REPLACEMENT

Location
• Access to water heater cannot be through a bedroom, bathroom, toilet room, or storage closet.
• All water heaters shall be capable of being removed without first removing a permanent portion of the building structure.

Appliance Venting
• Combustion air supply for fuel-fired appliance(s) must be correctly sized. It may be provided by one of three methods:
  • all required air from outside of structure
  • all required air from inside of structure*
  • all required air from both inside and outside of structure*
    *worksheet required for verification

• Single wall vent connector must have a minimum 6-inch clearance to combustibles.
• Class B vent or connector must have a minimum 1-inch clearance to combustibles.
• Vent connector must have an approved connection to the chimney, with a minimum ¼-inch pitch up to the flue.
• Water heater must be listed and labeled and installed in accordance with the manufacturer’s installation instructions and the Minnesota State Plumbing Code.

Fuel Gas Piping
• Piping must be of the proper size and material and be adequately supported/restrained with metal straps.
• A listed and approved gas valve must be installed within the same space of the water heater. Iron pipe gas lines require a ground union downstream of shutoff before controls.
• Maxitrol regulator must be installed horizontal with a drip tee on the high pressure side before Maxitrol. Drip tee installed on water heater gas line.

Water Connections
• Water shut-off valve must be installed on the cold water side.
• Full-size temperature and pressure valve must discharge within 18 inches from floor requirements of the room(s) to which it is attached.

Required Inspections
• Final

THREE INSPECTION MUSTS

1. Post the inspection report card on the job site until the final inspection is completed.
2. Notify Inspections when the installation is completed.
3. Schedule all inspection at least 24 hours in advance (please have your permit number available).

You can reach the Inspections Department between 8 am and 4:30 pm at 763-593-8090.
WATER HEATER REPLACEMENT (CONTINUED)

Class B vent when passing through floors with one-inch clearance to combustibles

Metal fire stop device

6" clearance to any combustible for single wall vent connector

Sheet metal screws (single wall vent connector) x 3

Vent connector sizing per applicable International Mechanical Code (IMC) tables

Full flow valve

Actual unit may be reverse

Temperature and pressure relief OR valve in top 6" of tank

¾" pipe

Dip tube

Within 18" of floor

Fuel gas line

Approved gas valve in same room as appliance

Ground union if iron pipe

Drip tee

Sheet metal screws (single wall vent connector) x 3

Flue liner required for transite chimney (oval transite chimney not allowed—must be removed)

Dip tube

Full flow valve

Actual unit may be reverse

Temperature and pressure relief OR valve in top 6" of tank

¾" pipe

Within 18" of floor