



WATER HEATER REPLACEMENT REQUIREMENTS

REQUIREMENTS FOR THE INSTALLATION OF WATER HEATER

- A permit is required for the replacement or repair of a water heater.
- Complete CF-1R form verifying model, efficiency, recovery time, and insulation rating.
- Water Heater interior Minimum Insulations Rating – R-16 and labeled on the outside of the tank. If less than R-16, add R-12 insulation blanket on exterior. Blanket must be cut back away from controls and heat chamber.
- Water lines must have 1" thick pipe insulation on hot and cold lines from water heater for the first 5 feet, or to wall.
- Single wall flue pipe requires 6" clearance to all combustibles.
- Double wall and manufactured flex connectors flue pipe requires 1" clearance to combustibles, or per listed rating.
- Pressure Temperature Relief (PTR) Valve drain line must be run to the outside of the building and terminate 6" to 24" above the ground. Discharge into a pan is prohibited per CMC 507.5.
- An approved safety pan is required under unit when leakage would cause structural damage to the building.
- In a garage or carport area the unit is to be protected from damage.
- Clearance on Listed Water Heaters will be to manufactures specification. Unlisted water heaters clearance will be minimum 12".
- Seismic strapping required: one in the upper 1/3 and one in the lower 1/3 (2 straps). Lower strap must be 4" above control valve. Straps must be lagged into the framing members. Tanks over 50 gallons may require additional strapping
- Combustion air shall be maintained, or added with 1" square inch per 3000 BTU's, or by specific type of installation.
- Appliance gas shut-off is required to be functional, and in good working order.
- For installation in garage or warehouse the pilots light, burners, heating elements and switches must be at least 18" above floor from flammable gases.
- Smoke Detectors must be installed in all bedrooms, hallways leading to bedrooms, on each floor or level, and change in ceiling heights of 24" or more.
- All existing Smoke Detectors over ten years old must be replaced to new units with a ten year battery.
- A Carbon Monoxide Detector must be installed per manufactures specifications.