

## Water Heater Installation Inspection

*Permits and inspections are required for both gas and electric water heater installations.*

- 1. Appliance is approved for the specific application, (built on site or manufactured home, ASME stamp on pressure vessel). Refer to Uniform Mechanical Code (UMC) Sections 302.1 and 303.1.
- 2. Adequate access and 30" minimum work space on the control side; refer to UMC Sections 304.7 and 307.
- 3. Appropriate location; it is NOT permitted in bedroom, bathroom or closet nor accessed through these rooms unless direct vent - Exceptions are listed in UMC Section 304.5.
- 4. If located in same room as clothes dryer, either door is permanently removed or has full louvered door; UMC Section 706 as amended by Pikes Peak Regional Building Code.
- 5. Raised minimum 18 inches above garage floor; UMC Section 303.1.3.
- 6. Condition of venting system is inspected, including the equipment area and roof termination. (Depending on these observations, a visual inspection of the vent in the attic may be required.) If furnace has been replaced with a high efficiency unit, the water heater vent connector must comply with the GAMA Tables. If furnace is a draft hood type, the reuse of the existing vent system is allowed if it is in good condition; UMC Section 810 and May 1999 meeting minutes of the Mechanical Committee.
- 7. If vented through a chimney, lining is checked and verified that it is not oversized for the water heater; footnote 19 of the GAMA Tables.
- 8. Vent connector rise, clearance and support is adequate for proper material; UMC Section 815 and GAMA Tables.
- 9. Combustion air is adequate; UMC Section 707.
- 10. Gas shut-off valve is within 3 feet and gas connector is of approved material; refer to UMC Section 1312.15.
- 11. Temperature and pressure relief valve (maximum 150 psi) with drain terminating 6 - 24 inches above the floor and pointing downward. If run to floor drain, it is terminated via an air gap. Refer to Sections 608.4 and 608.5 of the Uniform Plumbing Code (UPC).
- 12. Water supply shut-off valve is a full-way type; UPC Section 605.2.
- 13. Pressure regulator for main pressure if in excess of 80 psi; UPC Section 608.2.
- 14. Expansion tank or water closet tank relief valve if the main pressures exceeds 150 psi or a device is provided that prevents expansion back into the main; UPC Section 608.3.