**TYPICAL RESIDENTIAL WATER HEATER**

This drawing depicts minimum code requirements per CBC 2007. Information is for reference only and is not a substitute for accurate drawings prepared for each proposed construction project.

**Plan**
- **Temp & Pressure Valve**: Piped to exterior (or to garage flr.) 3/4" min. Pipe - No. 1960498 allowed in bottom of piping.
- **Burner**: Rame - 1/2" in garage.
- **EXISTING WALL**: Lag screws, Typ.
- **Compression block or struts between WH and wall**
- **Seismic Straps**: Two min. DSA approved seismic straps applied per MFR, specs. & bolted to wall.
- **Property Line**: Section at vent.
- **Roof Slope**: Flat to < 4:12.
- **WH Detail**: Per MFR, recommendation.

**Water Heater Notes:**
1. **Gas Fired Equipment in Garage**: Provide for gas fueled equipment such as water heaters or appliances to be elevated 18" above floor and provided with a protective barrier, i.e., concrete filled steel ballards, or, by being elevated or located out of the normal path of the vehicles, CPC 508.4 and DMC 508.6.
2. **Expansion Control**: Any water system provided with a check valve, backflow preventer or pressure regulating device which does not have a bypass feature at its source shall be provided with an approved, listed. Adequately sized pressure relief valve or a means to control expansion. CPC 608.2 provides a note on the drawings near the water heater that an approved, listed expansion tank is required whenever a backflow prevention device is installed; CPC SEC, 608.3.
3. **Water Heater Strapping**: Provide seismic strapping at points within the upper 1/3 and lower 1/3, straps shall be at least 4" inches from controls, CPC 508.2.
4. **Water Heater Combination Pressure and Temperature Relief Valves**: Relief valves shall extend to outside of the building (or to garage floor in area that will drain to outside) with the end of the pipe not more than 2 ft nor less than 8" above the ground and pointing downward, CPC SEC, 508.4 & 608.5.
5. **Water Heater Prohibited Locations**: Per CPC SEC, 505.1. Water heaters which depend on the combustion of fuel for heat shall not be installed in a room used or designed to be used for:
   - Sleeping purposes
   - Bathrooms
   - Clothes closets, or
   - Closet or other confined space opening into a bath or bedroom.
   - Exception: Direct vent water heaters, in exclusive closet with self-closing gasketed door per CPC 505.11(1) & (2).
6. **Water Heater Access**: Opening or doorway to water heater shall not be less than required for water heater access for service and removal, UPC SEC, 505.3.
7. **Water Heater Combustion Air**: Indicate method and size of openings for the required combustion air for fuel burning water heaters, CPC SEC, 507.0.

**Water Heaters Elevation**
- **Note**: No gas-fired water heater allowed in bedrooms, bathrooms, clothes closets, or any space opening into a bedroom or bathroom.

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**Name, Address and Phone No. of Designer**
XXX XXX XXX XXX
XXX XXX XXX XXX

**Wet Signature of Designer on Each Sheet**

**Example Residence**
1234 Main St.
Santa Rosa, CA 95401
APN # 000-000-000

**WH Detail & Egress WDW**

**Scale:** NTS
**Date:** Dec. 15, 2008