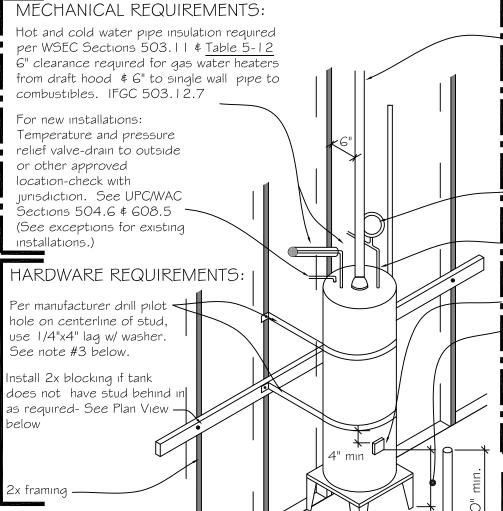


NOTE:

Southwest Washington Chapter of ICC This construction detail is illustrative of the minimum standard

of construction based upon the 2021 UPC/WSEC/ WAC 51-56



MECHANICAL REQUIREMENTS:

Exhaust to outside- B Vent clearance to combustibles per manufacture's Listing \$ 6" for single wall pipe. IFGC Table 503.10.5. Where vent passes through insulated assemblies an insulation shield is required. Min. 26 gauge sheet to provide required clearance all around. ■ Min. 2" above insulation and secured to prevent displacement per IFGC Section

Expansion tank required w/ closed plumbing system per UPC Section 608.3 pressurized to house water pressure.

Cold water supply line w/ shut off

Ignition source

IRC M I 307.3 and UPC/WAC 507.13 Elevation of ignition ■ source.

18" minimum required between bottom edge of source of ignition and finish floor level unless listed as flammable vapor ignition resistant

HARDWARE REQUIREMENTS:

Provide protective 3" Diam. steel bollard or equal so that water heater is not subject to physical damage by vehicle. Provide adequate anchorage to floor or embedment.

Plate anchor with $\frac{1}{2}$ " x 2 $\frac{3}{4}$ " anchor or embedment anchorage to floor.

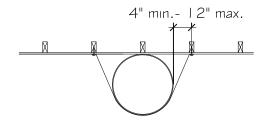
2. Install water heater tight to wall or 2x4 bracing. See above.

stand is not required. [R403.5.6 WSEC-R].

3. UPC/WAC 507.2. Water heaters shall be anchored or strapped to resist horizontal displacement due to earthquake motion. Strappings shall be at points within the lower $\frac{1}{3}$ and upper $\frac{1}{3}$ of the water heaters vertical dimensions. At the lower point, a distance of not less than 4" shall be maintained from controls to the strapping. Stand to be screwed or strapped to wall or floor or provide engineering calculations per IBC 16??. No stand required where listed as vapor ignition resistant.

Per the WSEC, R-10 rigid insulation pad required at all electric

water heater in unheated spaces or on concrete floor where a



PLAN VIEW