



Copper Water Line Re-pipe Inspection Checklist

City of Rancho Palos Verdes Community Development Department

This is to be used as a general checklist' it is not inclusive of all code requirements & inspection criteria.

- ✓ Job Card to be on site, construction placard displayed and filled in and displayed in a visible location.
- ✓ New copper water service shall be at least 12" below the average local frost depth; the minimum cover shall be 12" below finished grade.
- ✓ Copper water lines to be placed under test to determine whether water pressure exceeds 80 pounds. Pressure regulator is required when water pressure exceeds 80 pounds.
- ✓ Burred ends of all pipe and tubing shall be reamed to the full bore of the pipe or tube and all chips shall be removed.
- ✓ No building supply pipe shall be less than ¾" inch in diameter.
- ✓ Copper tubing for water piping shall have a weight of not less than Type L.
- ✓ A full valve controlling all outlets shall be installed on the side of each water meter and on each unmetered water supply and all valves shall be accessible at all times.
- ✓ In multi-dwelling units, one (1) or more shutoff valves shall be provided in each dwelling unit so that the water supply to any plumbing fixture or group of fixtures in that dwelling unit can be shut off without stopping water supply to fixtures in other dwellings units.
- ✓ Upon completion of the entire re-pipe system, the hot and cold water supply system shall be tested and proved tight under a water pressure not less than the working pressure under which it is to be used. A (50) pound psi air pressure may be substituted for the water test. In either method of test the piping shall withstand the test without leaking for a period of not less than fifteen minutes.
- ✓ Copper piping run through framing members to within (1) inch of the exposed framing shall be protected by steel nail plates not less than 18 gauge.
- ✓ Penetration of fire-resistive walls shall comply with CBC.
- ✓ All pipes subject to undue corrosion, erosion or mechanical damage shall be protected in an approved manner.
- ✓ Any structural member weakened or impaired by cutting, notching, or otherwise shall be reinforced, repaired or replaced so as to be left in a structural condition in accordance with the requirements of the CBC.
- ✓ Test Gauge: required pressure tests exceeding ten (10) pounds but less than one hundred (100) psi shall be performed with gauges increments of (1) psi or less. The test gauge shall have a pressure range not greater than twice the pressure applied.

- ✓ Hangers and Support: suspended piping shall be supported at intervals not to exceed those shown in theCPC. Hangers and anchors shall be of sufficient strength to support the weight of the pipe and its contents.
- ✓ Hot and cold piping insulated within 5' of water heater.
- ✓ Insulate all hot recirculation pipes from Boiler/Water Heater.
- ✓ Potable Water Outlet with Hose Attachment (hole bib): shall be protected by non-removable hose bib type backflow preventer. (Anti-siphon device on hose bib).
- ✓ Addition, alteration or repair to Group R occupancies: When the valuation of an alteration, repair to a Group R exceeds \$1000 and a permit is required, smoke detectors shall be installed in accordance, with CBC.
- ✓ All water heaters shall be braced in conformance with the minimum standard established by the Division of the State Architect or the California Building Code.
- ✓ Check electric service bond & bond all new metal piping.