



**City of Santa Monica
Building and Safety Division**

Copper Water Line Re-pipe Guide

This list is to be used as a general guide.

It is not inclusive of all code requirements and inspection criteria.

Based on the 2016 California Plumbing Code (CPC)

California Codes available at www.bsc.ca.gov

- Copper water service piping is at least 12" below finished grade. [CPC 609.1]
- Backfill for plumbing trenches is clean earth or sand. [CPC 314.4]
- Verify cold water bond is reconnected (at water service) and all interior metal piping systems are bonded. [CEC 250.104]
- Pressure regulator is required when water pressure exceeds 80 pounds. [CPC 608.2]
- Burred ends of all pipe and tubing are reamed to the full bore. [CPC 309.3]
- No building water service pipe is less than ¾ inch in diameter. [CPC 610.8]
- Copper tubing for water service piping has a weight of not less than Type L. [CPC 604.2].
- A full way valve controlling all outlets is installed on the discharge side of each water meter and on each unmetered water supply. All valves shall be accessible at all times. Each building requires separate full way valve. [CPC 606.2]
- In multiunit buildings, one (1) or more shutoff valve is provided for each dwelling unit to shut off water without stopping water to other dwelling units. [CPC 606.3]
- The water supply system shall be tested under the working pressure which is to be used, without leaking, for a period of not less than fifteen minutes. [CPC 609.4]
- Piping run through framing members to within (1) inch of the exposed framing is protected by steel nail plates not less than 18 gauge and not less than 1 1/2" beyond the outside diameter of the pipe. [CPC 312.9].
- Penetration of fire-resistive walls and horizontal assemblies complies with
- CPC 312.7 and CBC 714.
- All pipes subject to undue corrosion, erosion, or mechanical damage are protected in an approved manner. [CPC 312.4]
- Any structural member weakened or impaired by cutting, notching, or otherwise has been reinforced, repaired, or replaced so as to be left in a structural condition in accordance with the requirements of the California Building Code per CPC 312.11.
- Hangers and Supports: Suspended piping is supported per CPC 313.
- Hose bibs are protected by non-removable hose bib type backflow preventer. (Anti-siphon device on hose bib). [CPC 603.5.7]
- Addition, alteration, or repair to Group R occupancies: When the valuation of an alteration or repair to a Group R exceeds \$1,000 and a permit is required, smoke alarms and carbon monoxide detectors have been installed in accordance with California Building Code 907 and 420 respectively.
- All hot water piping to be insulated. [SMMC 4.201.4] R6, R8 for pipe >2"
- Water heater braced per CPC 507.2.