



How the UCC addresses:

Outdoor Wood-Fired Boilers (Wood Stoves)

A building permit is always required for outdoor wood stoves:

§ 403.62. Permit requirements and exemptions.

- (a) An owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish or change the occupancy of a residential building or erect, install, enlarge, alter, repair, remove, convert or replace an electrical, gas, mechanical or plumbing system regulated by the Uniform Construction Code shall first apply to the building code official and obtain the required permit under § 403.62a (relating to permit application).

**Each wood stove is slightly different and calls for different regulations to be met depending on its design and UL certifications. The UCC approach to all areas outside of the International Residential Code is that the inspector is to enforce the product's manufacturer's installation specifications or the IRC; whichever is more stringent.*

The following areas of the wood stove must be inspected:

Listing of Equipment: IRC Chapter 2001

M2001.1 Installation. In addition to the requirements of this code, the installation of boilers shall conform to the manufacturer's instructions. The manufacturer's rating data, the nameplate and operating instructions of a permanent type shall be attached to the boiler. Boilers shall have all controls set, adjusted and tested by the installer. A complete control diagram together with complete boiler operating instructions shall be furnished by the installer. Solid- and liquid-fuel-burning boilers shall be provided with combustion air as required by Chapter 17.

Chimney Termination: IRC Chapter 18 or UL 1777

Circulation piping, including PEX piping, must be buried 36" deep due to freezing.

See: Plastic Pipe and Fittings Association (www.ppfahome.org)

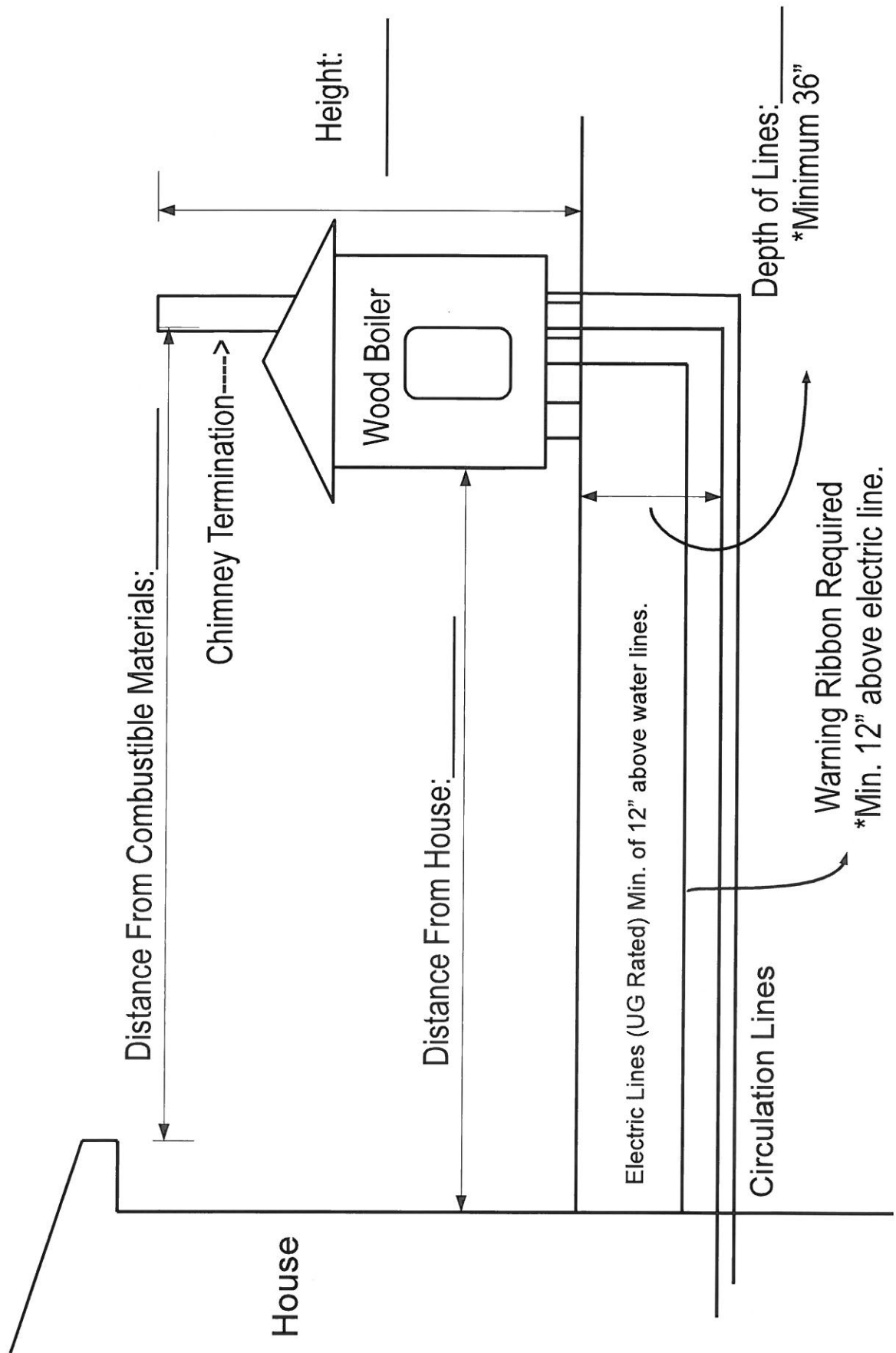
Is PEX freeze-break resistant?

PEX piping is freeze damage resistant and can expand and contract as water freezes and thaws within the tubing. No tubing material is freeze-break proof, however, and PEX should be installed using the same locally-prescribed insulation requirements to prevent freezing of any plumbing system.

Pipe Insulation: IRC 1103.3

Mechanical system piping insulation capable of carrying fluids above 105 degrees or below 55 degrees shall be insulated to a minimum of R-3.

**At the final inspection, MDIA requires the equipment to be set in place with the circulation lines visible in the open trench. Penetrations through foundation must be properly sealed with an approved material. Product literature and approved plans must also be on site for inspector to review.*



P2603.5 Pipes through footings or foundation walls. Any pipe that passes under a footing or through a foundation wall shall be provided with a relieving arch; or there shall be built into the masonry wall a pipe sleeve two pipe sizes greater than the pipe passing through.