

Physical Barrier for Protection of Heating Equipment and Water Heaters Subject to Damage by Vehicles in Residential Applications

Subject

A minimum three- (3) inch diameter pipe filled with concrete shall be installed to protect heating equipment and water heaters. The pipe shall be imbedded in concrete a minimum of two (2) feet deep and twelve (12) inches in diameter. All barriers shall extend a minimum of thirty (30) inches above floor level. Alternative designs shall be submitted to the Building Official for approval prior to installation. Designs shall be capable of resisting a horizontal force of 1,000 pounds.

Background

The code does not clearly state what a “barrier” is or how it is to be installed. Problems have occurred in the field such as a pipe with a flange, bolted down to the concrete slab.