



## Vehicle Impact Protection in Residential Garages

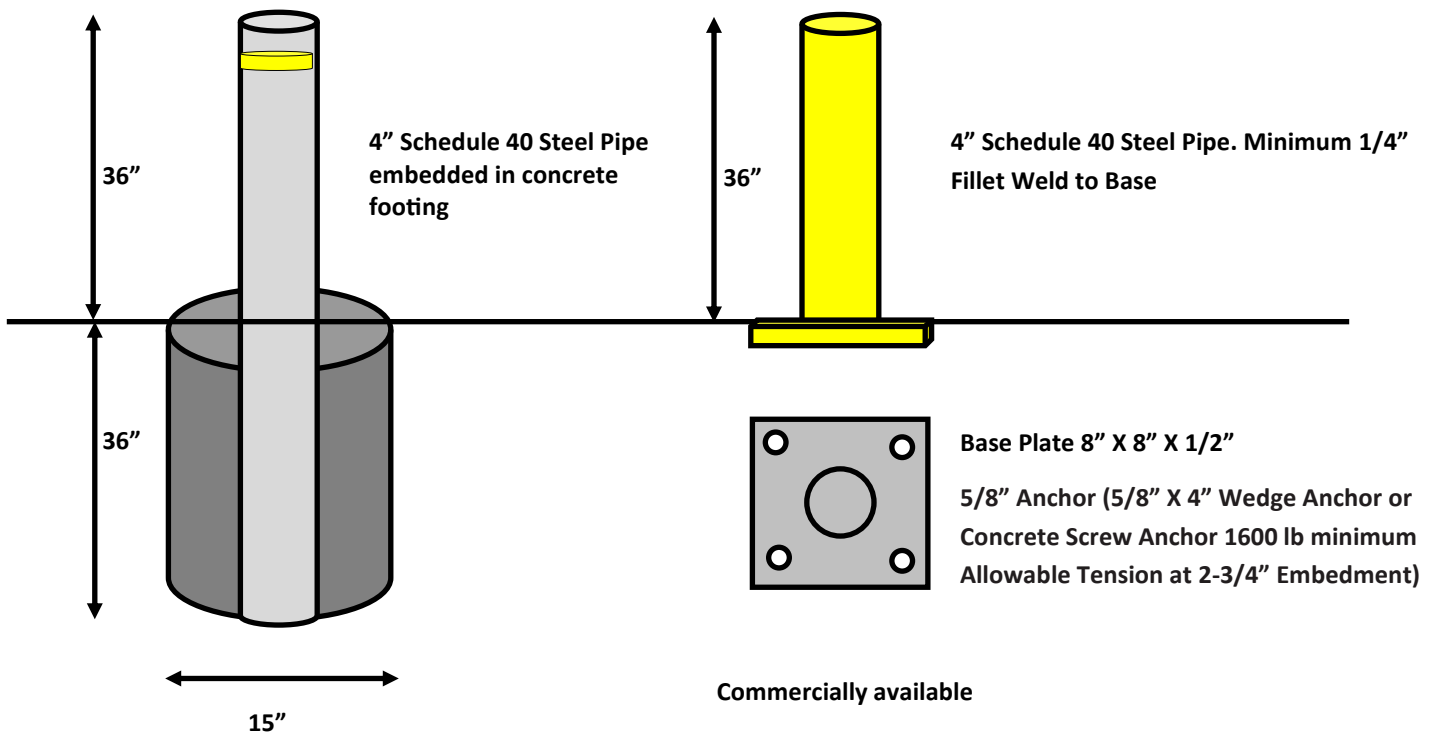
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### Overview

Gas-fired and electrical equipment installed in residential garages is required to be protected from vehicular impact. Appliances include clothes dryers, forced air units, energy storage batteries, solar inverters and water heaters. Equipment mounted more than 6' from the floor or which is located outside the normal path of vehicles is exempt from this requirement.

### **Installation Requirements**

- The minimum distance from bollard to equipment is 12" or the minimum working clearance per the manufacturer's specification, whichever is greater.
- Bollard shall have a reflective strip or be a high contrast color.
- The following are two approved installation options.



### **Code References**

**2019 CBC Section 406.2.9.3 Vehicle Impact Protection.** Appliances in private garages and carports shall be installed with a minimum clearance of 6ft above the floor unless they are protected from vehicular impact.

**2019 CMC 305.1.1 Physical Damage.** Appliances installed in garages subject to mechanical damage shall be guarded against such damage by being installed behind protective barriers or by being elevated or located out of the normal path of vehicles