

CHANGE TYPE: Addition

CHANGE SUMMARY: This change authorizes the code official to approve barriers other than posts.

2015 CODE:

SECTION 312 VEHICLE IMPACT PROTECTION

312.1 General. Vehicle impact protection required by this code shall be provided by posts that comply with Section 312.2 or by other approved physical barriers that comply with Section 312.3.

312.2 Posts. Guard posts shall comply with all of the following requirements:

1. Constructed of steel not less than 4 inches (102 mm) in diameter and concrete filled.
2. Spaced not more than 4 feet (1219 mm) between posts on center.
3. Set not less than 3 feet (914 mm) deep in a concrete footing of not less than a 15-inch (381 mm) diameter.
4. Set with the top of the posts not less than 3 feet (914 mm) above ground.
5. Located not less than 3 feet (914 mm) from the protected object.

312.3 Other Barriers. ~~Physical barriers shall be a minimum of 36 inches (914 mm) in height and shall resist a force of 12,000 pounds (53 375 N) applied 36 inches (914 mm) above the adjacent ground surface. Barriers other than posts specified in Section 312.2 that are designed to resist, deflect or visually deter vehicular impact commensurate with an anticipated impact scenario shall be permitted where approved.~~

CHANGE SIGNIFICANCE: The 2012 language in Section 312.3 is a carryover from the merger of the three legacy codes. This section was originally from the BOCA *National Fire Prevention Code*. The initial intent of the code was to provide prescriptive design criteria in Section 312.2 and performance-based criteria in Section 312.3, but it did not provide for a true performance-based alternative since it addressed a force, but not an impact velocity (i.e., a 12,000-pound vehicle traveling at 10 mph).

The change for the 2015 IFC provides a true performance-based option. The code official now has the ability to approve a barrier based on its ability to resist, deflect or visually deter vehicular impact.

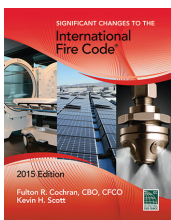
312.3

Vehicle Impact Protection



International Code Council®

Alternative vehicle impact protection



This excerpt is taken from *Significant Changes to the International Fire Code®*, 2015 Edition.

Significant Changes publications take you directly to the most important changes that impact projects. Key changes are identified then followed by in-depth discussion of how the change affects real-world application. Photos, tables and illustrations are included to further clarify application. Available for the IBC, IRC, IFC and IPC/IMC/IFGC, the Significant Changes publications are very useful training and review tools for transitioning to a new code edition.