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MISCELLANEOUS STANDARDS

10.01 Standards Established

Ref.: IFC 102.7

10.01-1 Unique fire protection issues are included below, for which interpretations of the policy of the City of Bellevue Fire Department are provided. The resolution of these issues is intended to be in compliance with the requirements of the IFC or the appropriate NFPA standard.

10.02 Protection of Fuel Gas Equipment

Ref.: IFC 603.9, 2206.4, 2206.6.1, 2207.5.3, 2703.9.3, 3403.6.4, 3404.2.9.6.5, 3404.4.5

10.02-1. When required by the Fire Chief or his/her designate, fuel gas piping, meters, tanks, and/or appurtenances shall be protected from vehicular damage by crash posts as specified by the Utility Department having jurisdiction, or if not applicable, then the standard "guard post" detailed in section 10.03.

a. Protective posts shall be four (4) inch schedule 40 or better steel posts set in thirty-six (36) inches of concrete, at least fifteen inches in diameter. The inside of the posts also shall be filled with concrete.

b. Posts shall be located at least three (3) feet from the fuel gas equipment, and shall be so arranged as to not interfere with maintenance or operations of the equipment.

c. Posts shall extend aboveground to a minimum height equal to the height of the device being protected, but in no case less than three (3) feet above finish grade at that location.

d. The number of posts shall be sufficient to protect the fuel gas system equipment, and shall be as specified by the Fire Chief or his/her designate. Posts shall be spaced not more than four (4) feet apart.

10.02-2. Where fuel gas piping and equipment is protected in a means acceptable to the fuel gas utility company, that method shall be considered acceptable to the Fire Chief or his/her designate.

10.03 Alternate Guard Post (BOLLARD) Specifications

Ref.: IFC 312.1

10.03-1. Guard posts to protect hydrants, fire department connections, and other equipment must satisfy the Bellevue Utilities requirements and the following:

a. Protective posts shall be four (4) inch schedule 40 (minimum) hot-dipped galvanized steel.
b. Set posts in thirty-six (36) inches of concrete at least 15 (fifteen) inches in diameter, sloped at grade to enhance runoff of water away from the post. The top to be rounded to enhance water runoff.
c. Posts shall extend aboveground to a minimum height of three (3) feet.
d. Posts shall be located at least three (3) feet from the hydrant, FDC, or other equipment, and shall not interfere with operation of the connections.
e. The number of posts shall be sufficient to protect the hydrant, fire department connection, or other equipment, and shall be spaced not more than four (4) feet apart.

10.04 Automatic Fire/Smoke Vent

Ref.: IFC 910.3.1

10.04-1. When spring-loaded, opaque mechanical automatic fire or smoke venting devices are installed in the roof of any building, the devices shall bear a permanent sign or stencil on them that reads as follows:

AUTO VENT

(6”high red letters)

Lettering shall be placed on the venting device exterior surface that is parallel to the roof.

10.04-2. Manual release cables **with handles** shall reach within ten (10) feet of the floor.

10.05 Emergency Pump Shutoff

Ref.: IFC 2203.2

10.05-1. Where emergency pump shutoff switches are required at automotive or marine service stations, they shall be arranged to de-energize all fuel dispensers at the site.

10.06 Hazard Identification Signs

Ref.: IFC 2703.5

When visible hazard identification signs designed in compliance with NFPA 704 are required, the size of the numerals shall comply with the following table:

TABLE 10.06-1
Hazard ID Signs

Legibility Distance	Size
50’	1”
75’	2”
100’	3”
200’	4”
300’	5”
>300’	6”

“Legibility Distance” shall be measured from the public street or approved fire apparatus access route, as determined by the Fire Chief or his/her designate.