



Fire Prevention Division

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SUPPLEMENTAL RULES & REGULATIONS

Number:	08-903.3.1.2.2		
Subject:	Concealed Sprinklers in R-1 & R-2 Hallways & Corridors		
Code:	2003 International Fire Code	Code Section:	903.3.1.2.2
Code:	2002 NFPA 13	Code Section:	6.2.8
Effective Date:	August 20, 2008	Issued by:	Fire Marshal Roger Parker <i>Roger Parker</i>
Revision Date:	NA	Issued by:	NA
Supersedes:	NA	Date:	NA

AUTHORITY:

§104.1 of the 2003 International Fire Code authorizes the fire marshal to render interpretations of the fire code, and to adopt policies, procedures, rules and regulations in order to clarify the application of its provisions.

PURPOSE:

To establish rules and regulations regarding requirements for the protection of and the type of fire sprinklers installed in hallways and corridors of R-1 and R-2 occupancies to reduce the possibility of physical damage and accidental discharge of the fire sprinkler system.

SCOPE:

This regulation covers all facilities, buildings, or uses within the City of Avondale after the effective date.

GENERAL:

The 2003 International Fire Code §903.3.1.2.2 as amended by the City of Avondale states:

In Group R-1 and R-2 occupancies, sprinklers shall be installed in bathrooms, closet areas containing any electrical or mechanical equipment, foyers, attics, attached garages, accessible areas under interior stairs or landings, exterior balconies, covered patios or landings. In living spaces, sprinklers shall be the concealed type. Attic piping shall be minimum 1" pipe size rated for use in attic spaces. For the purpose of inspection, testing, or maintenance, there shall be provided, at the time of construction, an exterior secured access door on the side of the building next to the fire sprinkler riser of adequate size to allow for valves and gauges to be accessed, repaired and viewed from the exterior for testing and maintenance purposes. The dimensions of the access door will be dependent upon the design of the riser and system devices but shall, in no case, require that service personnel must enter a private dwelling or garage to reach the riser for service and/or repair.

The 2002 NFPA 13 §6.2.8 states:

Sprinklers subject to mechanical injury shall be protected with listed guards.

SUPPLEMENTAL RULE OR REGULATION:

In R-1 and R-2 occupancies with hallway and corridor ceilings less than 10' high, fire sprinklers are subject to mechanical injury by occupants carrying furniture and other large items. Concealed sprinklers are therefore required in the hallways and corridors of all R-1 and R-2 occupancies with a ceiling height less than 10' high.