

CITY OF SIERRA VISTA

AMENDMENTS TO THE INTERNATIONAL FIRE CODE 2018 EDITION

CHAPTER 1

Section 101

SCOPE AND GENERAL REQUIREMENTS

Amend section 101.1 as follows:

[A] 101.1 Title. This regulation shall be known as the 2018 International Fire Code with The City of Sierra Vista Amendments, hereinafter referred to or cited as “this code”, or the City of Sierra Vista Fire Code.

Delete and replace section 101.2.1 as follows:

[A] 101.2.1 Appendices. The following appendices are specifically adopted and amended as part of this code by the City of Sierra Vista:

Appendix B Fire-Flow Requirements for Buildings

Appendix C Fire Hydrant Locations and Distribution

Appendix D Fire Apparatus Access Roads

Section 102

Applicability

Amend section 102.7.1 as follows:

[A] 102.7.1 Conflicts. Where conflicts occur between provisions of this code and referenced codes and standards, the higher standard for the promotion of the safety and welfare of the emergency responders and public, code will apply.

Section 105

Permits

Amend section 105.4.1 as follows:

[A]105.4.1 Submittals.

Construction documents and supporting data shall be digitally submitted with each application for a permit and in such form and detail as required by the fire code official. The construction documents shall be prepared by a registered design professional.

Exception: The *fire code official* is authorized to waive the submission of *construction documents* and supporting data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that review of *construction documents* is not necessary to obtain compliance with this code.

Section 110

Violations

Amend section 110.4 as follows:

[A]110.4 Violation penalties.

Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the *approved construction documents* or directive of the *fire code official*, or of a permit or certificate used under provisions of this code, shall be guilty of a misdemeanor, punishable by a fine of not more than \$2500 dollars or by imprisonment not exceeding 180 days, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Amend Section 112.4 as follows:

[A] 112.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to correct a violation or unsafe condition, shall be guilty of a violation penalty in accordance with Section 110.4.

CHAPTER 2 DEFINITIONS

SECTION 202

GENERAL DEFINITION

Occupancy classification. Is amended as follows:

Institutional Group I-1. The first sentence is amended to read: Institutional Group I-1 occupancies shall include buildings, structures or portions thereof for more than 10 persons, excluding staff, who reside on a 24-hour basis in a supervised environment and receive custodial care.

[BG] Six to 16 persons receiving custodial care. Is amended to read: [BG] Six to 10 persons receiving custodial care. A facility housing not fewer than six and not more than 10 persons receiving custodial care shall be classified as Group R-4.

Residential Group R-3. Congregate living facilities is amended to read: Congregate living facilities (transient or nontransient) with 10 or fewer occupants

Residential Group R-4. The first sentence is amended to read: Residential Group R-4 occupancies shall include buildings, structures or portions thereof for more than five but not more than 10 persons, excluding staff, who reside on a 24-hour basis in a supervised environment and receive custodial care.

CHAPTER 5

FIRE SERVICE FEATURES

SECTION 503

FIRE APPARATUS ACCESS ROADS

Amend Section 503.2.3 as follows:

[A] 503.2.3 Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus of at least 82,000 pounds and shall be paved with structural sections designed in accordance with City of Sierra Vista development standards.

SECTION 507

FIRE PROTECTION WATER SUPPLIES

Amend Section 507.3 as follows:

[A] 507.3 Fire-flow requirements for buildings or portions of buildings and facilities shall be determined in accordance with Appendix B.

CHAPTER 9

FIRE PROTECTION AND LIFE SAFETY SYSTEMS

SECTION 901

GENERAL

Amend Section 901.4.6.1 as follows:

[A] 901.4.6.1 Automatic sprinkler system risers, fire pumps and controllers shall be located inside buildings in dedicated rooms provided with ready access. Automatic fire sprinkler risers, fire pumps and controller room doors shall be arranged to allow direct access to the exterior of the building. Where located in a fire pump room or automatic sprinkler system riser room, the door shall be permitted to be locked provided that the key is available at all times in an approved key box.

SECTION 903

AUTOMATIC SPRINKLER SYSTEMS

Amend Section 903.2 as follows:

[A] 903.2 Approved automatic sprinkler systems shall be installed in all new commercial buildings and structures of all sizes and be approved by the fire code official.

In buildings and structures unable to meet the fire flow requirements for buildings as determined in Appendix B, Section B 105, approved automatic sprinkler systems shall be provided in all occupancies regulated by the International Building Code.

For new construction, repeal 903.2.1 through 903.2.12

Exceptions: Unless the use of the structure otherwise requires automatic fire sprinkler protection, fire sprinkler systems shall not be required for the following:

1. Detached, non-habitable buildings not exceeding 500 square feet in floor area and not closer than 5 feet to any building or property line.
2. Detached non-enclosed, gazebos, ramadas, and canopies not greater than 2,500 square feet (1524 m) in roof area, and not associated with an assembly occupancy with no combustibile storage, portable or fixed heating, or cooking beneath, and not closer than five feet to any building, property line, or other shade canopy.
4. Portable noncombustible storage containers used for storage purposes and not closer than 5 feet (1524 mm) to any building, property line or other container.
5. Exterior covered/enclosed walkways of Type I, II or III construction, not greater than 12 feet (3657.6 mm) in width, no combustibile storage beneath, and with enclosing walls that are at least 50 percent open.

Remove Section 903.3.1.2.3 and replace with:

[A] 903.3.1.2.3 Attics. Attic protection is required in all R-1, R-2, and R-4 occupancies. An automatic sprinkler system in accordance with NFPA 13R and this standard shall be installed throughout these buildings. Quick response commercial sprinkler heads shall be used to protect the attic.

Add section 903.3.1.2.4 as follows:

[A] 903.3.1.2.4 Exterior storage closets. Sprinkler protection shall be extended into attached exterior storage closets in R type occupancies protected with an automatic sprinkler system.

Add section 903.3.1.2.5 as follows:

[A] 903.3.1.2.5 Attached garages, carports, and accessible storage under the stairs.

Sprinkler protection shall be provided in attached carports, garages, and accessible storage under the stairs in R type occupancies.

Amend Section 903.3.3.6 as follows:

[A] 903.3.6 Hose Threads. Fire hose threads and fittings used in connection with automatic sprinkler systems shall be National Standard Thread.

Add section 903.3.9 as follows:

[A] 903.3.9 Remodel of sprinklered building. Fire sprinkler design plans shall be required for tenant improvement or remodeling projects when 10 or more sprinkler heads are relocated and/or added. Tenant improvement for buildings that are changing use or occupancy that involve relocating or adding less than 10 heads shall require analysis of a qualified NICET III or higher fire sprinkler designer. A report of findings shall be sent to the Fire Code Official in lieu of design drawings.

SECTION 907

FIRE ALARM AND DETECTION SYSTEMS

Add section 907.1.4

[A] 907.1.4 Systems design and installation. Systems shall be designed and installed by qualified persons as defined in NFPA 72 Section 10.5.

Remove Section 907.2.9.2 and 907.2.9.3 and replace with:

907.2.9.2 Automatic smoke detection system.

Group R-2 occupancies requiring a fire alarm system per Section 907.2.9.1, an automatic smoke detection system that activates the occupant notification system in accordance with Section 907.5 shall be installed in all of the following locations:

1. Common spaces outside of dwelling units and sleeping units.
2. Laundry rooms, mechanical equipment rooms and storage rooms.
3. All interior corridors serving sleeping units or dwelling units.

Exception: An automatic smoke detection system is not required in buildings that do not have interior corridors serving sleeping units or dwelling units and where each sleeping unit or dwelling unit either has a means of egress door opening directly to an exterior exit access that leads directly to an exit or a means of egress door opening directly to an exit.

Required smoke alarms in dwelling units and sleeping units in Group R-2 occupancies shall be system smoke detectors with low frequency sounder bases that are interconnected with the fire alarm system to provide supervisory signals to the panel.

907.2.9.3 Smoke alarms.

Where a fire alarm system is not required, single and multiple station smoke alarms shall be installed in accordance with Section 907.2.10.

SECTION 912

FIRE DEPARTMENT CONNECTIONS

Amend section 912.3

[A] 912.3 Fire hose threads. Fire hose threads used in connection with standpipe systems shall be National standard Thread (NST).

CHAPTER 33

FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

SECTION 3310

ACCESS FOR FIRE FIGHTING

Amend section 3310.1

[A] 3310.1 Required access. Approved vehicle access for firefighting shall be provided to all construction or demolition sites and shall comply with appendix D of this code. The access road shall be a minimum of 20 feet wide and shall be an all-weather driving surface, graded to drain standing water and engineered to bear the imposed loads of fire apparatus 82,000 pounds, when roads are wet. The access road shall be extended to within 200 feet of any combustible materials and/or any location on the jobsite where any person(s) shall be working for a minimum of four (4) continuous hours in any day.

All open trenches shall have steel plates capable of maintaining the integrity of the access road design when these trenches cross an access road. These access roads may be temporary or permanent. This policy applies only during construction and/or demolition. Permanent access per the city of Sierra Vista Fire Code shall be in place prior to any final inspection or certificate of occupancy.

APPENDIX D

CONSTRUCTION REQUIREMENTS FOR EXISTING BUILDINGS

Amend section D102.1

A] D102.1 Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an *approved*, paved fire apparatus access road capable of supporting the imposed load of fire apparatus weighing up to 82,000 pounds with structural sections designed in accordance with City of Sierra Vista development standards.

SECTION D106

MULTIPLE-FAMILY RESIDENTIAL DEVELOPMENTS

Amend section D106.1

Multiple-family residential projects having more than 50 *dwelling units* shall be equipped throughout with two separate and *approved* fire apparatus access roads.

Delete section D106.2