

2006 International Fire Code

Ordinance G-5082

Passed January 30, 2008

Effective March 1, 2008

Amendments to the 2006 International Fire Code





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This document is intended to update your 2006 International Fire Code with Phoenix amendments. Please separate this document and place each page behind the appropriate chapter.

We use the strikethrough and underline method of editing. Strikethrough to remove language, underline to add, changes appear in red.

Please mark your fire code to indicate an amendment has been made.

Note: FPN = fine print note, this is text used to explain why specific language is added to the code.



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Add Section 105.6.6

Section 105.6.6 Combustible materials storage, Indoors. See the Table on page 461, [Chapter 46](#).

Add Section 105.6.6.1

Section 105.6.6.1 Combustible materials storage, Outside. An operating permit is required for the outside storage of miscellaneous combustible storage and combustible waste.



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Add to Chapter 2 Definitions

PRIMARY STRUCTURAL SYSTEM. A system that consists of beams, trusses, joists, columns, slabs (floors), roofs and load bearing walls incorporated by design to support gravity loads and resist lateral forces.

FPN: The intent is to require all buildings that have fire damage to the structure to install sprinkler systems.



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SECTION 315

MISCELLANEOUS COMBUSTIBLES MATERIALS AND COMBUSTIBLE WASTE STORAGE

315.3 Outside Storage.

315.3.1 General. Outside storage, use and handling of miscellaneous combustible materials or combustible waste shall be in accordance with this section. For outside storage of pallets see also Section 315.4. All new outside storage areas and yards shall be in compliance with the requirements of this section effective immediately. All previously approved and permitted existing facilities shall be in compliance with these requirements not later than January 1, 2009.

315.3.2 A permit shall be obtained in accordance with Section 105.6. Prior to issuing the permit, the business owner shall obtain an approved site plan from Neighborhood Services Department for outdoor storage. The site plan shall indicate required setbacks from public streets and residential zoning districts, and state any restrictions on the type of commodities stored.

315.3.3 Separation from Property Lines. Outside storage of combustible materials or combustible waste shall only be located within approved zoning districts and in compliance with required setbacks. Additionally, outside storage of combustible materials or combustible waste shall not be located within 10 feet (3048 mm) of an adjacent property line that can be built upon.

Exceptions:

1. The separation distance is allowed to be reduced to 3 feet (914 mm) for storage not exceeding 6 feet (1829 mm) in height.
2. The separation distance is allowed to be reduced when the fire code official determines that no hazard to the adjoining property exists.

315.3.4 Separation from Buildings. Outside storage of combustible materials or combustible waste shall not be located within 20 feet (6096 mm) of a building.

Exception: Combustible materials may be stored or displayed under sprinklered eaves, canopies or other projections or overhangs of Group M, S and F Occupancies that are protected by automatic sprinklers.

~~315.3.1 Storage beneath overhead projections from buildings.~~ Combustible materials stored or displayed outside of buildings that are protected by automatic sprinklers shall not be stored or displayed under nonsprinklered eaves, canopies or other projections or overhangs.

315.3.2.5 Height. Open storage shall be no higher than six (6) feet (1829 mm) plus one (1) foot (305 mm) in height for every additional three feet of setback from the property line. Storage in the open shall not exceed 20 feet (6096 mm) in height.

315.3.3.6 Size of Piles. The maximum size of piles shall be 20 feet (6096 mm) wide by 150 feet (45 700 mm) long.



Amendments to the 2006 International Fire Code

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315.3-4.7 Aisles.

315.3-4.7.1 Width. Aisles shall be a minimum of 20 feet (6096 mm) wide and shall be maintained clear and unobstructed at all times.

315.3-4.7.2 Dead-Ends. No dead end aisles shall be allowed within the facility.

315.3-5.8 Property Securement Measures.

315.3-5.8.1 Fencing. A minimum 6-foot (1829 mm) high, solid, noncombustible security fence or wall shall be provided. The gates shall be closed and locked when the facility is not open.

315.3-5.8.2 Fire apparatus access gates. Gates shall be provided for fire apparatus access. The gates shall be not less than 20 feet (6096 mm) in clear width when in the open position. Additional gates complying with this section shall be provided when any portion of the storage exceeds 150 feet (45 700 mm) from fire apparatus access. When other than a chain and simple padlock are provided to lock gates, an approved key box shall be installed at each gate and shall contain the means to unlock the gate. Fire apparatus access gates shall be in accordance with Chapter 5.

315.3-6.9 Fire apparatus access roads. Fire apparatus access roads shall be provided to within 150 feet (45 700 mm) of all combustible materials piles in compliance with Chapter 5.

315.3-7.10 Fire hydrants. Approved fire hydrants shall be provided in compliance with Chapter 5.

315.3-8.11 Fire extinguishing equipment. Fire extinguishing equipment shall be provided throughout the facility in accordance with NFPA 10, Portable Fire Extinguishers. Travel distance to reach fire-extinguishing equipment shall not exceed 75 feet (22 850 mm).

315.3-9.12 Additional equipment. A front-end loader, backhoe with bucket or other reliable means of rotating the combustible materials or combustible waste shall be readily available on the property. ~~(for example, front end loader or back hoe with bucket).~~

315.3-10.13 Fire watch. When required, a fire watch shall be provided in accordance with Section 113. Fire watch responsibilities include detecting and reporting any fire or evidence of fire and shall remain on site until the fire is extinguished and smoldering has stopped. ~~smoldering or fire extinguishment.~~

315.3-11.14 Vegetation. Weeds, grass and similar vegetation shall be eliminated throughout the entire yard and within 20 feet (6096 mm) of the combustible materials piles.

315.3-12.15 Sources of ignition.



Amendments to the 2006 International Fire Code

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315.3.15.1 Smoking. Smoking shall be prohibited within the storage area. See also Section 310.

315.3.15.2 Electrical Hazards. Combustible storage shall not be located within 6 feet of a vertical plane beneath overhead electric power lines that are over 600 volts, nominal or within 25 feet (7616 mm) of an electrical transformer.

315.3.15.3. Clearance from sources of ignition. No heating equipment, including salamanders, braziers, portable heaters and other open fires, shall be located or used in the storage area. Potential sources of ignition such as hot work; warming or open fires and heating devices shall not be allowed within 60 feet (18 288 mm) of storage piles.

315.3.13.16 Housekeeping. Storage shall be maintained in a compact, orderly manner. All loose materials shall be stored in an enclosed container or building.



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Add exception to section 503.2.5

503.2.5 Vehicle passing points. When fire department access roads exceed 300 feet in length, vehicle passing points shall be installed at intervals not to exceed 300 feet. Vehicle passing points shall be a minimum of 30 feet in width and 50 feet in length.

Exception: When code compliant fire lanes are continuous through a property leading to an approved exit point, no passing points are required.

Amend Section 503.2.5.6 as follows:

503.2.5.6 Dead ends. Dead-end fire apparatus access roads in excess of 200 feet ~~150 feet (45 720 60 960~~ mm) in length shall terminate in an approved turnaround at the end of the fire apparatus road. See Figure 5-3.

Add new Section 513.1.1

513.1 Required Access. The distance from an emergency medical access road to the front entrance of all buildings or facilities shall not exceed 150 feet. The emergency medical access road shall have an unobstructed width of not less than 16 feet and a vertical clearance of not less than 14 feet.

513.1.1 Loading areas and passenger drop-off areas. On private property, where fire apparatus access roads are utilized for loading or unloading or are utilized for passenger drop off or pickup, an additional 8 feet of width shall be added to the fire apparatus access road. This width is in addition to the minimum 16 foot access road width.

Amend Section 513.5 as follows:

513.5 Dead ends. Dead-end fire apparatus access roads in excess of 200 feet (60 960 mm) in length shall terminate in an approved turnaround at the end of the fire apparatus road. See Figure 5-3.



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Amend 903.2.1.3 as follows:

903.2.1.3 Building remodels. An automatic fire sprinkler shall be installed when ~~building remodels are made that require structural changes affecting the primary structural system of the existing building including removal of 50 percent or more of the roof assembly is replaced or repaired due to fire damage or structure failure or, when the removal of existing fire rated assemblies' results in an increase of the original basic allowable area.~~

Amend Section 907.3 as follows:

907.3 Where required—retroactive in existing buildings and structures. An approved manual, automatic or manual and automatic fire alarm system shall be installed in existing buildings and structures in accordance with Sections 907.3.1 through 907.3.1.8. Where automatic sprinkler protection is provided in accordance with Section 903.3.1.1 or 903.3.1.2 and connected to the building fire alarm system, automatic heat detection required by this section shall not be required. When an existing building is required to install a fire alarm system based on a change of occupancy classification, use or retroactive requirements per the building or fire code, fire alarm devices shall be installed throughout the area. A minimum of 2 hour fire resistance rated fire barriers or horizontal assemblies shall separate the protected and non-protected areas.



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Amend Section 3308.1 as follows:

3308.1 General. The display of fireworks, including proximate audience displays and pyrotechnic special effects in motion picture, television, theatrical, and group entertainment productions, shall comply with this chapter and NFPA 1123 or NFPA 1126. The display of fireworks, including proximate displays and pyrotechnic special effect, inside structure(s) or building(s) shall not be allowed unless the structure or building is protected by an automatic fire sprinkler system in accordance with this code.



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Edit Section 4603.4 as follows:

4603.4 After hours inspections. A \$405 fee will be charged for after-hours inspections and expedited plan reviews. This fee covers up to three hours of inspection time including travel to the inspection. ~~unless scheduled in conjunction with the beginning or ending of the normal work day, in which case there is a one hour minimum fee. All work performed during weekends and City holidays will be considered callout and will be billed a minimum of 3 hours. Additional time needed to complete the inspection will be billed at the hourly rate of \$135 per hour or portion thereof.~~