

# 2006 International Fire Code

Ordinance G-5149

Passed May 7, 2008

Effective June 6, 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.



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### SECTION 105 PERMITS, FEES AND ANNUAL ASSESSMENT FEES

~~105.7.3 Address Directories. A Construction Permit Is Not Required At This Time, To Install Or Modify Address Directories.~~ **Access.** A construction permit is required for premise identification review; fire lane markings, identification of fire protection equipment, key boxes, stairwell identification, and pedestrian gates.

105.7.3.1 Address Directories. A construction permit is required to install or modify address directories.

106.8.1 ANNUAL HEALTH CARE FACILITY INSPECTIONS PERMIT. An operational permit for health care facilities shall be required for a thorough fire inspection which is conducted once per year and upon change of ownership. In adult care, hospitals and congregate living facilities. The fee schedule is based on the number of licensed beds as determined by ADHS.

Note: The annual inspection fee includes consulting services for fire and life safety concerns and maintenance issues. The annual fee does not include permit fees for new construction, remodeling or annual facility permit (AFP) projects, or hazardous materials assessment fees.

106.8.1.1 COMMERCIAL DAYCARE FACILITIES. An operational permit shall be required for a thorough fire inspection which is conducted per year and upon change of ownership. The fee shall be in accordance with Chapter 46.

106.8.1.2 BEHAVIORAL, DEVELOPMENTALLY DISABLED OR CORRECTIONAL FACILITIES. An operational permit shall be required for a thorough fire inspection which is conducted per year and upon change of ownership. The fee shall be in accordance with Chapter 46.

106.8.2 ASSISTED LIVING FACILITY INSPECTION FEES.

106.8.2.1 ASSISTED LIVING FACILITIES. An operational permit for assisted living facilities shall be required for a thorough fire inspection which is conducted upon opening and once every three years or upon change of ownership, and complies with the Arizona Department of Health services (ADHS) requirements. This includes assisted living homes R-3 (1-5 beds), R-4 (6-10 beds), assisted living centers (11 or more beds), supervisory care and adult foster care. The fee shall be in accordance with Chapter 46.



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NOTE: The annual inspection fee includes consulting services for fire and life safety concerns and maintenance issues. The annual fee does not include permit fees for new construction, remodeling or annual facility permit (AFP) projects, or Hazardous Materials Assessment Fees.



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### SECTION 903 SPRINKLER SYSTEMS

**903.2.1.2.1** ~~903.2.1.3~~ **Building remodels.** An automatic fire sprinkler shall be installed when 50% 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.

This edit is a numbering change only.

**SECTION 1701  
GENERAL**

**1701.4 Site plans.** A DETAILED site plans shall be submitted to the fire code official WITH EACH APPLICATION for prior approval. ~~In accordance with the following:~~ The site plan shall include, but not be limited to the indicate details of the means of egress, seating capacity, arrangement of the seating and location illuminated exit signs and width of exits, location of fencing or means used to confine attendees, no smoking signs, emergency lighting, type of heating, and electrical equipment where applicable.



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### SECTION 2701 GENERAL

**2701.1 Scope.** Prevention, control and mitigation of dangerous conditions related to storage, dispensing, use and handling of hazardous materials shall be in accordance with this chapter.

This chapter shall apply to all hazardous materials, including those materials regulated elsewhere in this code, except that when specific requirements are provided in other chapters, those specific requirements shall apply in accordance with the applicable chapter. Where a material has multiple hazards, all hazards shall be addressed.

#### Exceptions:

1. The quantities of alcoholic beverages, medicines, foodstuffs, cosmetics and consumer or industrial products containing not more than ~~50~~ 20 percent by volume of water-miscible liquids and with the remainder of the solutions not being flammable, in retail or wholesale sales occupancies, are unlimited when packaged in individual containers not exceeding 1.3 gallons (5 L).



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**SECTION 4602  
PLAN REVIEW FEES**

**4602.4 Expedited Plan Review Fee.** When allowed by the fire code official, a plan review may be expedited. The permit applicant shall pay a minimum fee of \$405 ~~\$135.00~~. This fee allows for three + hours of plan review. Additional time needed to complete will be billed at the hourly rate of ~~\$135.00~~ for each additional hour or portion thereof.

**4602.9 Technical Report Review.** A Technical Report Review or other tests used as the basis of fire design shall be assessed a minimum of five hours plan review time. Additional review time shall be assessed at the base rate.

**SECTION 4603  
INSPECTION FEES**

**4603.4 After hours Expedited inspections.** A \$405 fee will be charged for ~~after-hours~~ expedited inspections. This fee covers up to three hours of inspection time including travel to the inspection. Additional time needed to complete the inspection will be billed at the hourly rate of \$135 per hour or portion thereof.

**CHAPTER 46  
FEES**

**Chapter 3 – General Precautions Against Fire**

General Fees	Base Fee
Bonfires – one permit for each fire is required to ignite and maintain -- Permit F183	\$68
Open burning – to control range or wildlife, disease or pest control fires on any public street, alley, road, or other public or private ground  <b>Exception:</b> Recreational fires -- Permit F182	\$135
Commercial recycling/Waste Handling -- Permit F186	\$270
Outdoor storage of 100 or more used/waste tires -- Permit F185	\$135
Candles or flames or flame-producing devices used in connection with assembly areas, churches, dining areas of restaurant, or drinking establishments -- Permit F189	\$135
Outdoor/Indoor theatrical performance/Special Effects –using open flame devices not considered pyrotechnics --Permit F704	\$135





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For commercial flame roasting operations -- Permit F163	\$135
To store in any building or upon any premises in excess of 2,500 cubic feet (71 m <sup>3</sup> ) gross volume of combustible empty packing cases, boxes, barrels or similar containers, rubber, cord or similar combustible material. – Permit F186	\$135
<u>An operating permit is required for outside storage, use and handling of miscellaneous combustible materials or combustible waste</u>	\$500

### Chapter 5 – Fire Service Features

Inspection Fees	Base Time
The minimum fee is to inspect the installation, alteration or modification of underground fire lines which serve fire protection systems, hydrants, or any combination thereof. -- Permit F112	1.5
Inspect each additional <del>connection to a city water main including up to</del> 500 lineal fee (152 400 mm) of pipe.	<del>1.5</del> 1.0

### Chapter 9 – Fire Protection Systems

Fire Protection Systems – Plan Review Hours	Base Time
The fire protection systems plan review minimum fee is to review the first 50,000 sq ft (4645 m <sup>2</sup> ) of one building with 1-2 calculations. The minimum plan review time for an automatic sprinkler system is two and on-half hours; additional plan review time will be calculated at the base rate. Additional system elements require additional plan review time as noted below.	2.5
Additional calculations (design areas)	1.0
Each additional 40,000 sq. ft. (3716 m <sup>2</sup> ) > or fraction thereof	1.0
Each additional building using the same fire protection design plan	1.0
Each additional story above or below grade	1.0
Each standpipe with PRV (pressure reducing valve)	0.5
Each pre-action system	1.5
Each deluge system	1.5
Each aqueous film forming foam-water based system	2.0
Each in-rack sprinkler system	2.0
Each fire pumps, jockey pumps and controllers as part of a sprinkler system <b>Note:</b> Diesel fire pumps require a separate tank permit, see Chapter 23.	2.0
Each static water tank	2.0
Each high challenge commodity ( <b>Exception:</b> Group A plastics) - Technical report required ( <b>ADDITIONAL FEE</b> )	<del>4.0</del> 2.5
Each standpipes per <b>stair</b>	<del>2.0</del> 1.5
Standpipe system 1-4 outlets not part of a sprinkler system -- Permit F114	<del>2.0</del> 1.0
Each UL or FM fire pump, jockey pump and controller not part of a sprinkler system F117	<del>5.0</del> 2.0



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<u>Installation or modification of halon, dry chemical, carbon dioxide extinguishing systems, fm 200 or other special extinguishing systems</u>	2.5
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Fire Protection Systems – Inspection Hours	Base Time
The fire protection systems plan review minimum fee is to review the first 50,000 sq ft (4645 m <sup>2</sup> ) of one building with 1-2 calculations. The minimum plan review time for an automatic sprinkler system is two and on-half hours; additional plan review time will be calculated at the base rate. Additional system elements require additional plan review time as noted below.	2.5
Additional calculations (design areas)	1.0
Each additional 40,000 sq. ft. (3716 m <sup>2</sup> ) > or fraction thereof	1.0
Each additional building using the same fire protection design plan	<del>1.0</del> 2.0
Each additional story above or below grade	1.0
Each standpipe with PRV (pressure reducing valve)	0.5
Each pre-action system	1.5
Each deluge system	1.5
Each aqueous film forming foam-water based system	2.0
Each in-rack sprinkler system	<del>2.0</del> 1.0
Each UL or FM fire pumps, jockey pumps, and controllers. <b>Note:</b> Diesel fire pumps require a separate tank permit, see Chapter 23.	<del>2.75</del> 5.0
Each static water tank	2.0
Each high challenge commodity ( <b>Exception:</b> Group A plastics) - Technical report required ( <b>ADDITIONAL FEE</b> )	2.0
Each standpipes per <b>stair</b>	<del>2.5</del> 1.5
Standpipe system 1-4 outlets not part of a sprinkler system.	1.0
Each UL or FM fire pump, jockey pump and controller not part of a sprinkler system F117	<del>2.5</del> 5.0
<u>Installation or modification of halon, dry chemical, carbon dioxide extinguishing systems, fm 200 or other special extinguishing systems.</u>	2.5

Fire Protection Systems – Modification Plan Review Hours	Base Time
Each additional <del>51-500</del> 1-200 heads	1.0
For each additional <del>500</del> 1-200 heads, or fraction thereof	1.0
<del>For each story above or below the first</del>	<del>1.0</del>
<b>Note:</b> Any requirement for a new riser, main or branch-line piping shall be considered a new installation.  <b>Modifications not requiring a change or addition of sprinkler heads include, but are not limited to:</b>	



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<ol style="list-style-type: none"> <li>1. Adding reinforcing mains to an existing system in order to increase the available delivered density.</li> <li>2. Rerouting piping to accommodate other building changes, such as duct or structural elements.</li> <li>3. Changing the size of the system riser to increase delivered density.</li> </ol>	
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Fire Protection Systems – Modification Inspection Hours	Base Time
Each additional <del>51-500</del> 1-200 heads	<del>1.0</del> 2.0
For each additional <del>500</del> 1-200 heads, or fraction thereof	<del>1.0</del> 2.0
<del>For each story above or below the first</del>	<del>1.0</del>

13D Fire Protection Systems – Plan Review Hours	Base Time
The automatic sprinkler plan review minimum is to review a Residential Sprinkler System, R-3 Occupancy over 5,000 square feet with up to 2 calculations.	<del>2.5</del> 1.5
Additional calculations (design areas)	1.0

13D Fire Protection Systems – Inspection Hours	Base Time
The automatic sprinkler <del>plan review</del> <u>inspection</u> minimum is to <del>review</del> <u>inspect</u> a Residential Sprinkler System, R-3 Occupancy over 5,000 square feet with up to 2 calculations.	<del>1.5</del> 2.5
Inspection of R-3 occupancy under 5,000 square feet (465 m <sup>2</sup> ) – F159	1.0

Automatic Hoods & <del>Special Extinguishing</del> – Plan Review Hours	Base Time
Install or modify an automatic hood system, installation: These systems include exhaust systems with built-in fire suppression capability normally installed above commercial cooking equipment.  Note: When required, the connection to the building fire alarm or monitoring system will be charged as a separate fire alarm system fee.	1.0
<del>Installation or modification of halon, dry chemical, carbon dioxide extinguishing systems, FM 200 or other special extinguishing systems.</del>	<del>2.5</del>



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Automatic Hoods <del>&amp; Special Extinguishing</del> – Inspection Hours	Base Time
Inspect an automatic hood system, installation: These systems include exhaust systems with built-in fire suppression capability normally installed above commercial cooking equipment – Permit F134  Note: When required, the connection to the building fire alarm or monitoring system will be charged as a separate fire alarm system fee.	1.0 + .5 for each additional hood
<del>Inspection of halon, dry chemical, carbon dioxide extinguishing systems, FM 200 or other special extinguishing systems – Permit F132</del>	<del>2.5</del>

Fire Alarm And Detection Systems And Related Equipment – Plan Review Hours	Base Time
The plan review minimum fee is to review the first 50,000 sq ft of 1 building for the installation of fire alarm systems, including initiating and notification devices and includes fire alarm panel replacement.	2.5
Each additional building using the same fire protection design plan.	2.5
Each additional 50,000 sq. ft. (4645 m <sup>2</sup> )	2.5
Each additional story above or below grade.	1.0
First 1-10 flame detection device.	1.0
Each additional 1-10 flame detection devices.	1.0
First 1-10 beam detection devices.	1.0
Each additional 1-10 beam detection devices.	1.0
First 1-10 emergency voice/alarm communication devices (fire phone, speakers).	1.0
Each additional 1-10 emergency voice/alarm communication devices.	1.0
For area throughout based on square footage base rate plus additional 50% - For multiple story buildings, the largest gross square footage of any single story shall be used to determine the area protected.	50% alarm fee
Modify fire alarm system with plan review – 1-10 devices.	<del>2.0</del> 1.0
Each additional 1-5 25 devices.	1.0
Install or modify a digital alarm communication terminal transmitting supervisory signals between the protected premises and a continuously attended supervising station facility.	1.5
Alarm panel replacement – To calculate fees, use the fee schedule for new fire alarm installations Note: Alarm panel replacement does not require complete system upgrade.	



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NOTE: IF THE FEES FOR A TENANT IMPROVEMENT EXCEED THE F129 FEES FOR A NEW SYSTEM, THE FEES FOR A NEW SYSTEM SHALL BE USED.

Fire Alarm And Detection Systems And Related Equipment – Inspection Hours	Base Time
The minimum inspection fee is for the inspection of the first 50,000 sq. ft. (4645 m <sup>2</sup> ) of <u>one</u> building for the installation fire alarm systems, including initiating and notification devices including fire alarm panel replacement – Permit F122	2.5
Each additional building using the same fire protection design plan.	1.0
Each additional 50,000 sq. ft. (4645 m <sup>2</sup> )	2.0
Each additional story above or below grade.	1.0
First 1-10 flame detection device.	1.0
Each additional 1-10 flame detection devices.	1.0
First 1-10 beam detection devices.	1.0
Each additional 1-10 beam detection devices.	1.0
First 1-10 emergency voice/alarm communication devices (fire phone, speakers).	1.0
Each additional 1-10 emergency voice/alarm communication devices.	1.0
For area detection throughout, based on square footage base rate plus additional 50%.	50% alarm fee
Inspect a modified <del>Modify</del> fire alarm system with plan review – 1-10 devices.	<del>2.0</del> 1.0
Each additional 1- <del>5</del> 25 devices.	1.0
Inspection the installation or modification of a digital alarm communication terminal transmitting supervisory signals between the protected premises and a continuously attended supervising station facility – Permit F175	1.5

### Chapter 17 – Places of Assembly

The minimum time assessments for plan review, inspection or base operating permits will be indicated with each permit requirement in this chapter; additional time to complete the plan review or inspection will be assessed at the hourly rate. Fees provide for one inspection and one follow-up, additional inspections are subject to re-inspection fees in accordance with Section 4603.2.

Penalty Fees. Site plans shall be submitted a minimum 10 business days in advance of the event. A fee of \$25 per day progressive penalty shall be assessed for permit



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applications not submitted 10 business days prior to the event.

Over the Counter Permit Fees	Base Fee
1-50 <u>Sprinkler</u> heads – Permit F809	\$150
Underground fire line, Stub-out only (over the counter permit) OR HYDRANT RELOCATION NOT MORE THAN TEN FEET  <b>Note:</b> Stub-outs which are installed and tested as part of the underground fire line are included in the fire protection system lead-in charge. When permitted separately from the building’s underground fire line, a separate over-the-counter permit is required for each stub-out. Stub-outs shall not extend more than 10 feet (3048 mm) from outside the building to 6 inches (150 mm) above the finished floor and contain not more than one 90 degree (1.57 rad) bend – Permit F801	\$135
Fire alarm notification or initiating devices first 1-5 WITH BOOSTER – Permit F802	\$150
<del>1-5 devices with 1 power booster – Permit F802</del>	<del>\$150</del>
Special egress control devices per floor (tie-in to fire alarm panel only) – Permit F805	\$150
Supervising off-premises fire alarm transmitters (dialers) – Permit F875  <b>Note:</b> This permit covers the transmission of supervisory signals between the protected premises and the continuously attended supervising station facility and includes a maximum of 8 (notification or initiating) devices.	\$150
Removal permit to permanently remove any fire protection system – Permit F900	\$300
Slurry fill an underground tank – Permit F463	\$135
Abandon or place out of service an underground or aboveground tank – Permit F464	\$135
Flare off – Permit F178	\$135
Pump-out of Class I or Class II liquids, from an underground or above-ground storage tank used for fueling motor vehicles, by any means other than the approved, stationary on-site pumps normally used for dispensing purposes – Permit F460	\$135
Tank removal, each tank. Inerting of the tank is included in the removal fee – Permit F456	\$225
To change the type of contents stored in a flammable or combustible liquid tank to a material which poses a greater hazard than that for which the tank was designed and constructed – Permit F464	\$135