



FIRE INSPECTION GUIDE FOR NEW COMMERCIAL BUILDINGS

Handout
800

REV 06/14

ADOPTED CODES (with City of Peoria amendments):

2012 International Fire Code (IFC)
2012 International Building Code (IBC)
2011 National Electric Code (NEC)
2010 NFPA 13
2010 NFPA 72

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City of Peoria Fire Department Fire Prevention Division

8351 West Cinnabar Avenue
Peoria, Arizona 85345
623 773-7279 Phone
623 773-7295 Fax
www.peoriaaz.gov/fire

FIRE INSPECTION GUIDE FOR COMMERCIAL BUILDINGS

(This document is an attempt to identify the items inspected during the course of normal fire inspections. This document is not to be construed as a complete guide or all encompassing. Additional items may be required to be inspected as deemed necessary by the Fire Inspector.)

IVR Automated Inspection Line (623) 773-7220
or
On-line Inspection Scheduling
(<https://devservices.peoriaaz.gov/aca/peoria.aspx>)

Note:

The phone number or web site is to be used to request all fire related inspections, whether Building or Fire permits. When requesting an inspection you will need either your Fire Permit Number or your Building Permit Number. The Fire Permits begin with the letter "Fx" (x = sub fire category, i.e.: FA = fire alarm, FP = fire sprinkler, FG = gates, etc.) followed by seven (7) numerical digits. The Building Permit is only numerical and is also seven (7) digits. You will also need the inspection code for the inspection you are requesting (see below) and a phone number you can be contacted at. The Fire Prevention Office will contact you to schedule the inspection after it is entered into the system.

Underground Fire Line with 200# Test	900
Underground Fire Line Flush	910
Kitchen Hood Extinguishing System Inspection	930
Rough Fire Alarm System Inspection	940
Rough Fire Sprinkler System Inspection with 200# Test	950
Other Inspections/Questions	960
On Site Code Consultation	970
Final Fire Inspection (Building or Fire permits)	990

Note:

Only use the following phone number to schedule a fire hydrant flow test, lock keys into a lock box or if you have a general Fire Code question or difficulty (non emergency). Please leave your name, telephone number and a brief message and someone from Fire Prevention will call you back.

Fire Prevention Information Line (623) 773-7593

Permits

The following verbiage appears at the bottom of all Fire Permits. Please make note of these requirements.

General Notes:

Excerpts from the *International Fire Code – 2012 edition*

105.4.4 Approved documents.

Construction documents approved by the fire code official are approved with the intent that such construction documents comply in all respects with this code. Review and approval by the fire code official shall not relieve the applicant of the responsibility of compliance with this code.

106.3 Concealed work.

Whenever any installation subject to inspection prior to use is covered or concealed without having first been inspected, the fire code official shall have the authority to require that such work be exposed for inspection.

It should also be noted that **permits are not transferable**. You should always ensure that the permit is issued to the company that is performing the work. In the event that the permit was issued with the Building Permit, you should check to see that the permit is issued to the correct company. In the event that the permit was issued to a different company or there is a change in the company that is performing the work, a change in contractors must be submitted to the Fire Department.

A change in contractors will require two (2) sets of plans and a permit application be submitted for review. Information on the company performing the work must appear on the drawings. Any reference to other companies must be removed. A fee will be charged (currently \$100.00) for the review and the change in the system. A new set of approved plans and a new permit will be issued. **No work can be performed on the fire protection system until the proper permit is issued.**

Effective 10/1/2005 (revised 06/09/2014) – As a result of the high inspection failure rates on fire protection equipment resulting in unacceptable delays to our customers the Peoria Fire Department has implemented strict requirements for fire protection contractors. At all times, when fire protection systems and/or equipment is being installed and/or serviced, the work must be performed by or directly supervised by a “Competent On-Site Person” in possession of one or more of the items required in the Peoria Fire Code Amendments listed below.

1. Fire Alarm installation, modification, or inspections one or more of the following:
 - a. National Institute of Certification in Engineering Technology (NICET) fire alarm level II; or
 - b. Successful completion of Local Exam (CSA Exam); or
 - c. Other certification acceptable to the Fire Code Official.
2. Fire Sprinkler System and underground fire line installation, modification, or inspections one or both of the following:
 - a. National Institute of Certification in Engineering Technology (NICET) fire sprinkler level II; or
 - b. Successful completion of Local Exam (CSA Exam); or
 - c. Other certification acceptable to the Fire Code Official.

3. Fire Special Hazard Fire System installation, modification or inspection for one or more of the following:
 - a. National Institute of Certification in Engineering Technology (NICET) special hazards suppression systems level II; or
 - b. Successful completion of Local Exam (CSA Exam); or
 - c. Other certification acceptable to the Fire Code Official.

The requirements to apply for a Fire Protection Contractors permit or to renew a Fire Protection Contractors permit are for the company to submit the following documentation to the City of Peoria Fire Department – Fire Prevention Division. Fire Prevention is located at 8351 West Cinnabar Avenue, Peoria, Arizona 85345. For questions call (623) 773-7279.

1. Complete the permit application (attached to this memo or available on the Fire Department web site <http://www.peoriaaz.gov/fire>).
2. Provide a copy of your current product and liability insurance certificate naming the City of Peoria as Certificate holder.
3. Provide a copy of your current City of Peoria sales tax license.
4. Provide a copy of your current Arizona Contractors license.
5. Provide the permit fee of \$75.00, payable to the City of Peoria.
6. Fire protection contractors shall agree that their persons involved in the installation, modification, or inspection of any fire protection equipment shall be certified or receive direct supervision per the Peoria Fire Code Section 910.10.2. Provide a written statement to this effect on company letterhead and signed by a responsible party of the company.

All required documentation **MUST** be present with the completed application. Payment for the permit(s) to be processed is to be included with the application. Incomplete applications will be returned without a review being conducted. Review of the permit application and/or materials will not be conducted until the application is deemed complete. Submit check or money order payable to “City of Peoria” for the full amount. NOTE: No cash or credit card payments can be accepted at the Fire Department.

Underground Fire Line & Flush Inspection

This is not an all inclusive list of items that will be inspected only a list of the most common items. Additional items may be required based on Code requirements or Fire Inspector requirements.

All fire lines that are connected to the City of Peoria water system are inspected and approved by the City of Peoria Engineering Department up to and including the floor flange in the building. **The Fire Department must witness all fire line flushes.** The following information pertains to fire lines that are installed on private water systems and therefore must be permitted and inspected by the Fire Department.

1. The inspection shall be scheduled by the underground fire line contractor. The underground fire line contractor is to be present at all underground fire line inspections.
2. The installing contractor shall have a valid City of Peoria Fire Department "Fire Equipment Contractor Permit" (See the information and application at the end of this document) and an "On Site Competent Person" with supporting documentation. No fire inspections will be conducted until a permit is obtained and the competent person's documentation is provided.
3. An Underground Contractor's Material and Test Certificate shall be provided. The certificate shall be provided prior to the flush inspection. The flush inspection shall not be conducted without this documentation. The Underground Contractor's Material and Test Certificate can be found in NFPA 24 – 2010, figure 10.10.1.
4. The approved plans shall be consulted to verify meeting the requirements of NFPA 13 and 24 and can include the following:
 - a. Size of the piping.
 - b. Type of piping material.
 - c. Depth of cover over the piping.
 - d. Isolation valves.
 - e. Proper configuration of:
 - i. Joint restraints.
 - ii. Protective wrap (polywrap) of piping, including fire riser flange spigot. (Applies to ductile piping only.)
 - iii. Direction changes.
 - iv. Proper fittings passing below foundations.
 - v. Double Backflow assembly (if exterior to the building).
5. All valves within the system are to be in the open position, including the fire hydrant sectional valve.
6. A hydrostatic test of all piping at two hundred (200) psi for two (2) hours or fifty (50) psi in excess of the system working pressure, whichever is greater shall be observed.
7. The pressure after the hydrostatic test shall be relieved to confirm that the test gauge returns to zero. A gauge that does not return to zero could be an indication that the gauge is broken or "pegged" and must be replaced and a new test conducted.
8. Flushing of all piping with city water shall be observed for a sufficient amount of time to ensure that the piping is clear and free of all debris. The following flow rates shall be provided to produce a minimum velocity of ten (10) feet/second in the pipes.

Pipe Size (inches)	Flow Rate (gpm)
4	390
6	880
8	1,560
10	2,440
12	3,520

Note:

The fire line shall be visible during the hydrostatic testing. Center loading of the pipe is acceptable; however, all joints, valves, joint restraints, and fittings shall be visible. **DO NOT** cover the fire line until the inspection is approved. The Fire Department inspection of the fire line consists of the fire line supply piping from the inside / outside of the building(s) to the point of connection to the supply water main at the street or to the water main loop. Stacking of the fire sprinkler riser onto the fire line is not allowed until the fire line is approved and flushed.

Rough Fire Sprinkler System Inspection

This is not an all inclusive list of items that will be inspected only a list of the most common items. Additional items may be required based on Code requirements or Fire Inspector requirements.

1. The inspection shall be scheduled by the fire sprinkler contractor. The fire sprinkler contractor is to be present at all fire sprinkler system inspections.
2. The installing contractor shall have a valid City of Peoria Fire Department "Fire Equipment Contractor Permit" (See the information and application at the end of this document) and an "On Site Competent Person" with supporting documentation. No fire inspections will be conducted until a permit is obtained and the competent person's documentation is provided.
3. The Approved Plans shall be consulted to verify meeting the requirements of NFPA 13 and can include the following;
 - a. Proper type of fire sprinkler piping.
 - b. Double Backflow assembly for size, type, and direction.
 - c. Confirm that the installed piping does not have excessive changes of direction that are not indicated on approved plans. (Excessive use of extra fittings, such as elbows may effect hydraulic calculations and require re-submittal for review and approval).
 - d. Proper size of the fire sprinkler piping.
 - e. Proper pipe hangers and supports with the correct spacing.
 - f. Sway bracing is installed per NFPA 13 requirements. Sway bracing is required at top of all fire risers.
 - g. Proper type, orifice, and temperature of all fire sprinklers.
 - h. Proper clearance of fire sprinklers from ALL obstructions.
 - i. Check for correct distances between the fire sprinklers, off of walls, maximum coverage per fire sprinkler, and distance below roof deck. Also deflector orientation to roof deck.
 - j. Check for installation of orifice in inspector's test. (Orifice shall be the same size as the smallest orifice installed in the system).
 - k. Check to ensure fire sprinklers are not painted. Painted fire sprinklers shall be replaced. Painted sprinkler heads shall not be cleaned.
 - l. All control, auxiliary, drain, and inspector's test valves shall not be located more than seven (7) feet above finish floor or grade.
 - m. Access panels shall be provided for all valves located inside a wall or concealed space.
4. A hydrostatic test of all piping at two hundred (200) psi for two (2) hours or fifty (50) psi in excess of system working pressure whichever is greater shall be observed.
5. Where a tenant improvement addition or modification is made to an existing fire sprinkler system affecting more than twenty (20) fire sprinklers, the new portion shall be isolated and hydrostatically tested at two hundred (200) psi for two (2) hours or fifty (50) psi in excess of system working pressure whichever is greater. Modifications that cannot be isolated shall not require hydrostatic testing in excess of system working pressure.
6. Tenant Improvement modifications affecting twenty (20) or fewer fire sprinklers shall not require hydrostatic testing in excess of system working pressure.

7. The pressure after the hydrostatic test shall be relieved to confirm that the test gauge returns to zero. A gauge that does not return to zero could be an indication that the gauge is broken or “pegged” and must be replaced and a new test conducted.
8. Verify a listed and approved pressure relief valve is installed on all automatic wet fire sprinkler systems.
9. The following items shall be verified regarding the Fire Department Connection (FDC);
 - a. Fire Department Connection shall be within one hundred (100) feet of a fire hydrant.
 - b. Fire Department Connection shall be located on the address side (front) of building or located on the building in the Fire Department access approach as approved.
 - c. Fire Department Connection shall be installed between eighteen (18) and forty eight (48) inches above finish grade.
 - d. The swing check valve is to be installed as close to the Fire Department Connection as possible and is installed in correct direction.
 - e. Hose threads are NST (National Standard Thread). Phoenix or Tempe thread types are not acceptable.
 - f. The 2.5 inch approved caps or plugs are installed.
 - g. The Fire Department Connection is not to be obstructed (i.e.: electrical transformers, landscaping, etc.).

Rough Fire Alarm System Inspection

This is not an all inclusive list of items that will be inspected only a list of the most common items. Additional items may be required based on Code requirements or Fire Inspector requirements.

1. The inspection shall be scheduled by the fire alarm contractor. The fire alarm contractor is to be present at all fire alarm system inspections.
2. The installing contractor shall have a valid City of Peoria Fire Department "Fire Equipment Contractor Permit" (See the information and application at the end of this document) and an "On Site Competent Person" with supporting documentation. No fire inspections will be conducted until a permit is obtained and the competent person's documentation is provided.
3. The approved plans shall be consulted to verify meeting the requirements of NFPA 70 and 72 and can include the following:
 - a. Proper wire type (i.e.: plenum, riser, underground, etc.).
 - b. Proper wire gauge.
 - c. **Existing systems only installed prior to 1/1/2014 - existing system are to be maintained as Class "A"**. Verify that a Class 'A' fire alarm system has been installed.
 - d. Verify support of all of the wiring is per NFPA 72 and the National Electrical Code (NEC). (Wrapping fire alarm wiring around steel nails, connecting it to ceiling grid support wires, and using metal staples are not approved methods of securing or supporting fire alarm wiring).
 - e. Verify the support of the conduit and back boxes, including protective bushings in conduit and junction boxes.
 - f. All exposed wiring installed below seven (7) feet shall be installed in conduit.
 - g. Verify location of all fire alarm system devices.
 - h. Verify that ALL notification appliances, pulls stations, heat detectors, smoke detectors, and duct detector LEDs located in ALL walls and above ALL ceilings are installed with approved back boxes. This applies to ALL fire alarm systems installed in commercial buildings. Mud rings only are NOT acceptable mounting methods.
 - i. Verify the location of the fire alarm control panel. (If the fire alarm control panel is located in the same room as the fire sprinkler riser and that room has a door that provides direct access to the outside; then an annunciator strip pad is not required).
 - j. Verify that the location of fire alarm control panel is in a temperature controlled space.
 - k. Verify that the fire alarm control panel and any notification appliance booster panels are mounted to a maximum height of six (6) feet to the top of the cabinet.
 - l. Verify the location of the remote annunciator, if required.
 - m. **Existing systems only installed prior to 1/1/2014 - existing system are to be maintained as Class "A"**. Verify the proper separation of the fire alarm wiring. (A minimum of four (4) feet separation between the wiring on the horizontal runs and one (1) foot separation on the vertical runs shall be provided).
4. Verify that the fire alarm wiring is not painted. Fire alarm wiring that is painted shall be replaced.

5. Verify that tamper switches are installed on ALL fire sprinkler system control valves, including control valves on any outside double back flow assembly feeding the fire sprinkler system.
6. Verify any duct detectors required by the Mechanical Code are installed.
7. Verify that any kitchen hood system or special hazard fire suppression system is connected to the fire alarm system.
8. Verify that any door controls, such as door magnets or access controls, is connected to the fire alarm system.
9. Verify that the power for the fire alarm system and/or remote power boosters comes from a reliable power source. In the event that the project is in a multi tenant building, power must come from the house electrical panel or the same electrical distribution panel as the fire alarm system control panel. Power derived from electrical panels that can be turned off when the tenant moves out is not considered reliable.

Final Fire Sprinkler System Inspection

This is not an all inclusive list of items that will be inspected only a list of the most common items. Additional items may be required based on Code requirements or Fire Inspector requirements.

1. The inspection shall be scheduled by the fire sprinkler contractor. The fire sprinkler contractor is to be present at all fire sprinkler system inspections. **NOTE:** Final inspections must be coordinated with the fire alarm contractor. Final inspections are integrated and system function must be demonstrated for each permit.
2. The installing contractor shall have a valid City of Peoria Fire Department "Fire Equipment Contractor Permit" (See the information and application at the end of this document) and an "On Site Competent Person" with supporting documentation. No fire inspections will be conducted until a permit is obtained and the competent person's documentation is provided.
3. The fire sprinkler contractor shall provide an Aboveground Contractor Material and Test Certificate for each system installed. The final fire inspection shall not be conducted without this documentation. This certificate is found in NFPA 13 – 2010, figure 16.1.
4. Consult the approved plans to verify meeting the requirements of NFPA 13.
5. Verify tamper switch and flow switch components are installed and functioning on the fire sprinkler system.
6. Observe a main drain test. Document the static and residual pressures; then verify that the residual pressure at the base of the riser meets or exceeds the required system demand pressure listed in the approved hydraulic calculation summary on the approved plans. Also, verify that the hydraulic placard and the fire sprinkler system general information sign on the fire riser assembly are correctly filled out. (See the example at the end of this document along with a blank form to be used)
7. Verify that ALL required fire sprinkler system signage is in place. Each valve shall have a sign attached indicating its function.
 - a. Main drain.
 - b. Access panels shall be provided for all valves located inside a wall or concealed space. Signage shall be provided on the outside of access panel indicating type of valve that is concealed within. (This includes Fire Department Connection check valves).
 - c. Control valves.
 - d. Inspectors test.
 - e. Fire Department Connection.
 - f. Hydraulic Placard. (If hydraulic placard is located on a fire riser that will be exposed to corrosive conditions then hydraulic placard shall be aluminum and hydraulic information shall be engraved or stamped).
8. Verify that the spare fire sprinkler head cabinet is installed in an area that will not exceed one hundred (100) degrees Fahrenheit and has the following contents; the correct number of spare fire sprinkler heads, correct size fire sprinkler head wrench, and a NEW current issue of NFPA 25. (An ILLEGALLY copied NFPA 25 is NOT acceptable).
9. Verify the floor is sealed where the fire riser flange spigot penetrates the building.
10. Verify that all fire rated walls and exterior wall pipe penetrations are sealed by approved means.
11. Walk through building to verify;

- a. Verify proper placement, type, and temperature of fire sprinklers.
 - b. Verify that ALL fire sprinklers are unobstructed.
 - c. Verify fire sprinklers are not painted. Painted fire sprinklers shall be replaced. Painted fire sprinkler heads shall NOT be cleaned.
 - d. Verify fire sprinkler escutcheons are in place and properly installed per the fire sprinkler manufacturer data sheet.
12. Observe the activation test of fire alarm system notification appliances and electric bell on the fire sprinkler system water flow through the inspector's test valve. Alarms shall activate in ninety (90) seconds or less with the flow switch adjustment setting on or greater than "B". Document the time it takes the alarms activate.

Final Fire Alarm System Inspection

This is not an all inclusive list of items that will be inspected only a list of the most common items. Additional items may be required based on Code requirements or Fire Inspector requirements.

1. The inspection shall be scheduled by the fire alarm contractor. The fire alarm contractor is to be present at all fire alarm system inspections. **NOTE:** Final inspections must be coordinated with the other fire contractors (i.e.: fire sprinkler, kitchen hood, special system, etc.). Final inspections are integrated and system function must be demonstrated for each permit.
2. The installing contractor shall have a valid City of Peoria Fire Department "Fire Equipment Contractor Permit" (See the information and application at the end of this document) and an "On Site Competent Person" with supporting documentation. No fire inspections will be conducted until permit is obtained and the competent person's documentation is provided.
3. Provide a NFPA 72 Inspection and Testing Form. The form shall be completed and present at the final fire alarm inspection. Final fire inspection shall not be conducted without this documentation. This documentation is found in NFPA 72 – 2010, figure 10.6.2.3.
4. The approved plans shall be consulted to verify meeting the requirements of NFPA 70 and 72.
5. Verify the proper location, type, and candela setting of all fire alarm notification appliances.
6. Observe fire alarm system functional tests of all fire alarm devices, including duct smoke detectors.
7. A copy of the 3rd party test and balance report for the installation of the duct detectors is required to be supplied to the Fire Inspector. If the report satisfies the Fire Inspector that the duct detectors have been tested, that the HVAC units shut down and signals report to the fire alarm system correctly as a supervisory signal, further testing of the duct detectors are not necessary. **NOTE:** Should the report not detail the proper information to the satisfaction of the Fire Inspector, complete testing of the duct detectors is necessary and must be witnessed the by the Fire Inspector.
8. Verify that ALL notification appliances are synchronized per NFPA 72 requirements.
9. Observe the activation test of the fire alarm system notification appliances, including the electric bell on the fire sprinkler system water flow through inspector's test valve. All alarms shall activate in ninety (90) seconds or less with the flow switch adjustment setting on or greater than "B".
10. Observe the activation test of the fire sprinkler control valve tamper switches. On activation of the tamper switch a supervisory signal shall be received at the fire alarm control panel.
11. If a kitchen hood extinguishing system is installed; observe function tests of the fire alarm system notification appliances upon kitchen hood extinguishing system activation.
12. Verify the following from all tests;
 - a. Measure decibel reading of audible appliances five (5) feet above finish floor in the farthest point of the room from any device. Decibel reading shall be fifteen (15) dBA above ambient noise level and five (5) dBA above peak sound levels lasting sixty (60) seconds or more. (The installing contractor is to provide the testing meter. Phone apps are not considered as equivalent test devices)

- b. Verify proper voltage drop. The maximum allowed voltage drop is 4.4 volts. (The installing contractor is to provide a voltage meter at inspection)
- c. Verify a Class 'A' fire alarm system is installed (**existing Class "A" systems only**).
- d. Verify the proper size of the batteries and verify that batteries are date marked with; month / year
- e. Verify duct detectors are provided with a remote LED indicator at ceiling level where ever a duct detector is located above a ceiling or is located in an area where the LED indicator on the detector is not visible. The LED shall operate when duct detector is activated.
- f. Observe a twenty four (24) hour stand by battery power test. The electrical breaker that provides power to the fire alarm control panel shall be turned off twenty four (24) hours prior to this test. At the end of the twenty four (24) hours an audible test shall be conducted for five (5) minutes.
- g. Verify that the circuit breakers for the fire alarm control panel and electric bell power are secured (with breaker locks), identified on electric panel schedule, and are designated power circuit breakers.
- h. Verify the fire alarm control panel power circuit breaker number and electrical panel location is identified inside or near the fire alarm control panel.
- i. Verify that all signals are received at the fire alarm control panel.
- j. Verify that all signals are received at the annunciator, if applicable.
- k. Verify that all signals were received at the off-site, third party, listed monitoring agency. A fire alarm system monitoring activity report shall be faxed to Fire Prevention at 623 773-7295 after completion of final testing. Monitoring activity report shall include the twenty four (24) hour battery power fault.
- l. A copy of the State of Arizona elevator inspection report is required to be provided whenever an elevator is installed and/or modified on a project.

Kitchen Hood Extinguishing System Inspection

This is not an all inclusive list of items that will be inspected only a list of the most common items. Additional items may be required based on Code requirements or Fire Inspector requirements.

1. The inspection shall be scheduled by the kitchen hood suppression system contractor. The kitchen hood fire suppression contractor is to be present at all kitchen hood system inspections.
2. The installing contractor shall have a valid City of Peoria Fire Department "Fire Equipment Contractor Permit" (See the information and application at the end of this document). No fire inspections will be conducted until permit is obtained.
3. The approved plans shall be consulted to verify meeting the requirements of NFPA 17A.
4. The installing contractor shall provide the latest system manual as provided by the manufacturer to verify the system installation. **IF A MANUAL IS NOT AVAILABLE AT THE FINAL INSPECTION THE INSPECTION WILL FAIL AND WILL NEED TO BE RESCHEDULED.**
5. Verify the following that can include the following;
 - a. Hood size.
 - b. Location of manual pull station.
 - c. Signage for manual pull station.
 - d. Location, size, and type extinguishing agent.
 - e. Type and size of firing cartridge (if applicable).
 - f. Proper pipe size and type.
 - g. Proper pipe support.
 - h. Proper hood penetration seals.
 - i. Proper nozzle type.
 - j. Verify that nozzle height is per the manufacturer requirements.
 - k. Verify number of allowed fittings for system.
 - l. Verify link installation placement, type, and temperature.
 - m. Verify nozzle locations using the factory laser pointer device, if applicable. The installing kitchen hood extinguishing system contractor shall provide the laser. No inspection will be conducted without this testing device.
 - n. Observe air movement through all system nozzles.
 - o. Observe test of fusible link.
 - p. Observe activation of manual pull station.
 - q. Observe deactivation of all fuel sources under hood during all tests. (Electric and/or Gas)
 - r. Observe deactivation of the "make up air" upon activation of the system. (Exhaust air shall remain working).
 - s. Observe the activation of the fire alarm system notification appliances upon kitchen hood extinguishing system activation on all function tests and verify that the signals are received at the fire alarm control panel.
 - t. Verify the proper placement of the Class 'K' fire extinguisher. The Class 'K' fire extinguisher shall be tagged, mounted, and located within thirty (30) feet of the cooking equipment.
 - u. Verify that the kitchen hood extends a minimum of six inches beyond the edge of the cooking appliances (unless listed, i.e.: zero clearance type).

- v. Verify that there are no electrical connections (make up) inside the control unit/head. All electrical connections are to be made in approved junction boxes outside of the control unit/head.

Final Fire Building and Site Inspection

This is not an all inclusive list of items that will be inspected only a list of the most common items. Additional items may be required based on Code requirements or Fire Inspector requirements.

1. The inspection shall be scheduled by the general contractor. The general contractor is to be present at all building inspections.
2. Verify building address size and location on exterior of building.
 - a. If the address is located less than eleven (11) foot eleven (11) inches above the finished grade; the address characters shall be a minimum of six (6) inches in height with a minimum one (1) inch stroke in contrast to the building colors.
 - b. If the address is located twelve (12) feet or more above the finished grade; the address characters shall be a minimum of twelve (12) inches in height with a minimum two (2) inch stroke in contrast to the building colors.
 - c. The address characters shall be visible from the street or road fronting the property and if required, on all fire department approaches.
3. Verify that an approved address directory is installed at properties that are one of the following:
 - a. More than one (1) principal building.
 - b. Buildings with unit identification numbers.
 - c. When in the opinion of the Fire Code Official, emergency response may be delayed due to physical layout of the complex.
4. Verify that the address directory has the following.
 - a. The minimum size for the address directory is to be three (3) feet by three (3) feet. Larger sizes may be required where the site cannot fit on the standard size and still be legible.
 - b. The address directory is suitably constructed to be installed outdoors. The graphics are protected from vandalism and weather by a clear polycarbonate cover. The cover is a minimum of 1/8" thick and sealed to protect the graphics from weather damage.
 - c. The address directory is to be illuminated internally by a white light. The light is to be sufficient to illuminate the entire site plan with even light. The address directory is to be illuminated from dusk to dawn. The illumination can be turned on and off by an automatic timer or photo cell.
 - d. The address directory is installed a minimum of thirty six (36) inches above the finished grade. Larger sizes of address directories can be mounted no lower than twenty four (24) inches when approved by the Fire Code Official. The support post or stanchions are set in concrete.
 - e. The address directory depicts the site in a clear, easily understood manner from a distance of eight (8) feet. The address directory depicts structures, building numbers, units, apartment space numbers, tennis courts, swimming pools, driveways, streets, fire hydrants and any other areas as determined by the Fire Code Official. Construction of the address directory complies with the following requirements:
 - i. Address directory is a dark print on a contrasting light background.
 - ii. The name and address of the complex is indicated, but shall not exceed ten (10) percent of the total size of the site directory.
 - iii. Any water areas are blue (i.e.: pools, fountains, canals, etc.).
 - iv. Tennis courts are green.

- v. Fire hydrants are a 1/4" diameter black circle filled with a yellow center. The abbreviation "HYD" is affixed by the location of the hydrant on the directory.
 - vi. The address directory is oriented to the viewer with a red symbol, one (1) inch in diameter, with the words "YOU ARE HERE" affixed at the appropriate location of the directory.
 - vii. North is indicated on the site plan by an arrow no less than three (3) inch in size.
 - viii. The building numbers are one (1) inch in diameter, located directly adjacent to the building on the driveway side.
 - ix. The colors used on the site directory are not duplicated to represent more than one (1) item.
- f. The address directory is installed on the occupant's property.
 - i. The location of the address directory is far enough from the street for the fire apparatus to be safely on the property while reviewing the address directory. The location of the address directory does conflict with the traffic visibility zone.
 - ii. No landscape or architectural designs obstruct the viewing of the address directory.
 - g. No advertising or additional artwork is on the address directory.
5. Verify proper location of the lock boxes.
- a. Lock boxes and padlocks shall be directly obtained from the Knox Corporation. NO application OR signature is required from the fire department. **THE LOCK BOX AND PADLOCK MANUFACTURED BY THE KNOX COMPANY ARE THE ONLY APPROVED TYPE USED BY THE CITY OF PEORIA.**
 - b. Lock boxes shall be installed at the entrance door and at the fire sprinkler riser room, unless approved otherwise or additional lock boxes are required to due the building configuration.
 - c. Lock boxes shall be installed approximately sixty (60) inches above the finished grade to the TOP of the box.
 - d. Call 623 773-7593 to have keys lock up in lock boxes when locks are changed.
6. Verify the placement of fire extinguishers.
- a. Verify correct type. (Example: 2-A:10-B:C)
 - b. Verify proper location. Fire extinguishers shall be installed a maximum travel distance of every seventy five (75) feet and if possible; mounted near exit doors.
 - c. All fire extinguishers shall be service tagged with month / year and mounted a minimum of three feet six inches and maximum of five (5) feet to the top of the fire extinguisher above finish floor or grade and shall be unobstructed from access or view. Provide fire extinguisher signage as required.
7. Verify required exterior and interior building door signage.
- a. Provide the letters 'FACP' and 'FIRE RISER ROOM' on all doors that give access to the fire alarm control panel and the fire sprinkler riser. This can be accomplished with painted stencil or a corrosive resistant sign with minimum four (4) inch high letters in contrast to the door colors.
 - b. Provide the letters "ROOF ACCESS" on all doors that have roof access ladders inside.

- c. Provide on or above the suite front doors the 'SUITE NUMBER OR LETTER'. This can be accomplished with self adhesive characters, stencil, or a sign with minimum four (4) inch high characters in contrast to the door colors.
 - d. Provide on the suite back or side doors the 'SUITE NUMBER OR LETTER' and 'BUILDING ADDRESS NUMBERS'. This can be accomplished with self adhesive characters, stencil, or a sign with minimum four (4) inch high characters in contrast to the door colors.
8. Fire lanes shall be appropriately marked in ONE of these two options.
- Option One:** Provide approved signs at a maximum of eighty (80) feet on center. (See the example at the end of this document)
- Option Two:** Paint curbs red. Provide lettering on the curb at a maximum of eighty (80) feet on center; marked **NO PARKING FIRE LANE** in four (4) inch white block letters on the vertical face of the curb.
9. Verify the on site fire hydrants and building fire department connection.
- a. The large (4.5 inch) port shall be facing directly towards the Fire Lane.
 - b. The bottom of the 4.5 inch port shall be installed between eighteen (18) inches and twenty four (24) inches above the finished grade.
 - c. Verify a minimum three (3) foot diameter clearance around the fire hydrants.
 - d. Verify that the blue reflectors are installed centerline of the right away and in direct line of the fire hydrants.
 - e. Verify fire department connection has proper signage. Additional signage may be required if fire department connection is visually obstructed. (Example; when a parking space is directly in front of the fire department connection.)
10. Verify that occupant load signage is installed in all Assembly type occupancies.
11. Verify that an Automatic External Defibrillator (AED) is installed in all Assembly occupancies with an occupant load greater than 300 persons.
12. Verify that all fire walls, fire barriers, fire partitions, smoke barriers and smoke partitions are labeled in the following manner.
- a. The identification is located in accessible concealed floor, floor ceiling or attic spaces.
 - b. The identification is to be located within fifteen (15) feet of the end of each wall and at intervals not exceeding thirty (30) feet measured horizontally along the wall or partition.
 - c. The identification includes lettering not less than three (3) inches in height with a minimum 3/8 inch stroke in a contrasting color incorporating the suggested wording "FIRE AND/OR SMOKE BARRIER – PROTECT ALL OPENINGS" or words to that effect.

Gate Inspection

This is not an all inclusive list of items that will be inspected only a list of the most common items. Additional items may be required based on Code requirements or Fire Inspector requirements.

1. The inspection shall be scheduled by the gate installer. The gate installer shall be present at all gate inspections.
2. Verify that the clear width of the roadway is a minimum of twenty (20) feet clear width on all entrances. Exit roadways are to be a minimum of sixteen (16) feet clear width or larger on all exits. Unless otherwise approved by the Fire Department.
 - a. **NOTE:** Sub-divisions may have a divided entrance and exit gates. The entrance side shall have a clearance of twenty (20) feet clear width, the exit side sixteen (16) feet clear width.
3. Verify that access controls are exterior to the gate and located for activation by the vehicle operator without dismounting from the vehicle. The height of the lock box/control panel is to be sixty-six (66) inches, measured from the finished grade line of the street.
4. Verify that the lock box, padlock or key switch is an approved model utilized by the Peoria Fire Department. **THE LOCK BOX, PADLOCK AND KEY SWITCH MANUFACTURED BY THE KNOX COMPANY ARE THE ONLY APPROVED TYPE USED BY THE CITY OF PEORIA.**
5. Verify that a Traffic Preemption opening device is provided on all motorized gates. Opticom, 3M, Model 722 receiver (no coding model) or equivalent shall be used. **The exact model used shall be noted on the approved plans.**
6. Verify that all gates open to twenty (20) feet within twenty (20) seconds (one foot per second) of activation and remain in the open position until closed by operation of the electrical control device.
7. Verify that the controls pedestal is identified with a minimum six (6) inch by ten (10) inch sign with red letters on a white background. This sign is to be securely fastened to the pedestal and legible from the approaching vehicle. "EMERGENCY FIRE DEPARTMENT ACCESS".
8. Verify that battery back up for all motorized gates is provided, unless the gate fails safe (open) in the event of a power failure.
9. Verify that secondary "Exit Only" gates are set up for Fire Department emergency access. Exit only gates, which are not motorized, are to be installed per City of Peoria Fire Department Standard detail. Exit only gates are to have a minimum clearance of twenty (20) feet clear width and be posted with a sign that states "Caution Gate Opens Out." The ground is to be painted with a yellow strip showing the depth of the gate swing.
10. Verify that the operation of the motorized gate is by either a pre-emption device or a key switch.

Photovoltaic Solar Inspection

This is not an all inclusive list of items that will be inspected only a list of the most common items. Additional items may be required based on Code requirements or Fire Inspector requirements.

1. The inspection shall be scheduled by the photovoltaic solar system contractor.
2. The approved plans shall be on site and consulted to verify meeting the requirements of the *International Fire Code*, Section 605.11
3. The photovoltaic solar contractor shall provide any required ladders for access to the roof and/or attic space.
4. The photovoltaic solar contractor shall coordinate with the property owner to be present (or their representative) in the event the Fire Inspector needs to access the inside of the residence and/or garage to perform the inspection. **NOTE:** The Fire Inspector will not enter the residence (to include the (garage) unless the property owner or their representative is present.
5. Verify that the following are in compliance;
 - a. All interior and exterior direct current (DC) conduit, enclosures, raceways, cable assemblies, junction boxes, combiner boxes and disconnects are marked.
 - b. The materials used for marking shall be reflective, weather resistant and suitable for the environment and shall have all letters capitalized with a minimum height of 3/8 inch white on red background.
 - c. The marking shall contain the words "WARNING: PHOTOVOLTAIC POWER SOURCE."
 - d. The marking shall be placed adjacent to the main service disconnect in a location clearly visible from the location where the disconnect is operated.
 - e. Marking shall be placed on interior and exterior DC conduit, raceways, enclosures and cable assemblies every 10 feet, within 1 foot of turns or bends and within 1 foot above and below penetrations of roof/ceiling assemblies, walls or barriers.
 - f. Conduit, wiring systems and raceways for photovoltaic circuits shall be located as close as possible to the ridge or hip or valley and from the hip or valley as directly as possible to an outside wall to reduce trip hazards and maximize ventilation opportunities. DC wiring shall be installed in metallic conduit or raceways when located within enclosed spaces in a building. Conduit shall run along the bottom of load bearing members.
 - g. Residential buildings with hip roof layouts shall have panels/modules installed on residential buildings with hip roof layouts shall be located in a manner that provides a 3 foot wide clear access pathway from the eave to the ridge on each roof slope where panels/modules are located.
 - h. Residential buildings with a single ridge shall have panels/modules installed on residential buildings with a single ridge shall be located in a manner the provides two, 3 foot wide access pathways from the eave to the ridge on each roof slope where panels/modules are located.
 - i. Residential buildings with roof hips and valleys shall have panels/modules installed on residential building with roof hips and valleys shall be located no closer that 18 inches to a hip or valley where panels/modules are to be placed on both sides of a hip or valley. Where panels are to be located on only one side of a hip or valley that is of equal length, the panels shall be permitted to be placed directly adjacent to the hip or valley.

- j. Residential building smoke ventilation shall have panels/modules installed on residential buildings shall be located no higher than 3 feet below the ridge in order to allow for fire department smoke ventilation operations.

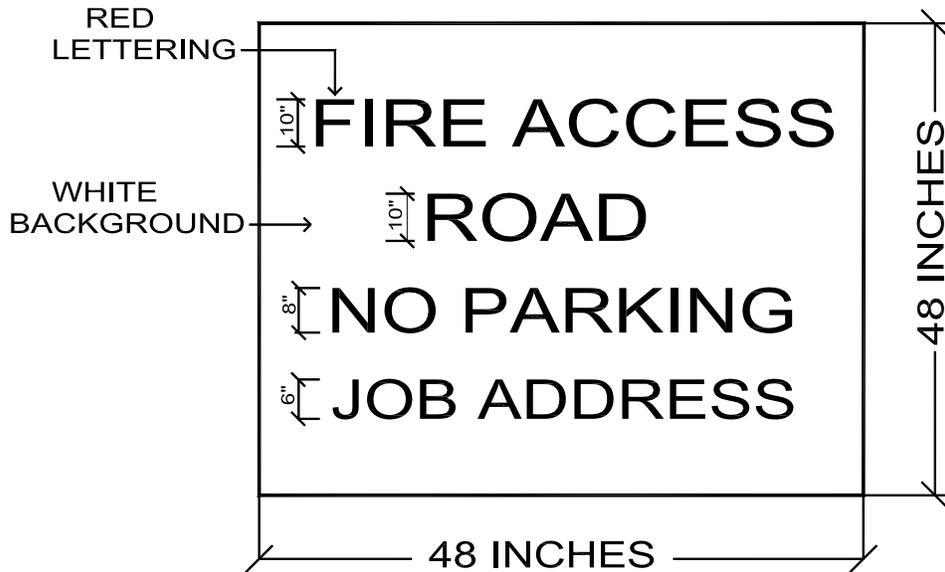
CO-2 Compressed Gas Systems

This is not an all inclusive list of items that will be inspected only a list of the most common items. Additional items may be required based on Code requirements or Fire Inspector requirements.

1. The inspection shall be scheduled by the CO-2 system installing contractor.
2. All venting (emergency and normal) is to be piped to the outside atmosphere.
3. Insulated liquid carbon dioxide containers, if used are to be anchored to the slab.
4. High pressure compressed gas carbon dioxide cylinders, if used are to be properly secured from movement.
5. All hoses and fittings used on the system are to be manufacturer approved.
6. Warning signs are to be provided.
7. Verify that when using high pressure compressed gas cylinders, only one (1) cylinder can be connected into the beverage system at a time. A second cylinder can be connected as long as a three way transfer switch is used so that no more than one (1) cylinder can be used at a time.
8. Verify that a carbon dioxide gas detection system is provided. The detector is to be installed per the manufacturer's instructions. A minimum of one (1) detector is required to be placed by the cylinder or where the pressure regulators are located, if the cylinder is located outside. If the building has areas that are lower than the grade level, additional detection devices are to be provided.
9. Verify that a local alarm and strobe are provided. The alarm device is to provide a minimum 75 dBA at 10 feet. The strobe is to provide a minimum 100 Cd. The devices are to be located in an area that will alert the occupants of the building.
10. Verify that the carbon-dioxide gas detection system is monitored in one of the following manners.
 - a. For buildings that are constructed new, the building fire alarm system shall be designed to monitor two (2) points on the gas detection system. The building fire alarm system shall be capable of reporting specific signals to the Central Station for the following alarms. These signals are in addition to the other required signals to be sent to the Central Station.
 - i. A supervisory signal is to be sent when the gas detector activates at 1.5%. This shall provide a supervisory signal at the fire alarm control panel and shall report a supervisory signal to the Central Station.
 - ii. An alarm signal is to be sent when the gas detector activates at 3%. This shall provide an alarm signal at the fire alarm control panel, provide full building evacuation and shall report a "**CO-2 Alarm**" signal to the Central Station.
 - b. For buildings that are existing, the building fire alarm system is to be evaluated to determine the capability of monitoring the gas detection system. If capable, the building fire alarm system shall be designed to monitor two (2) points on the gas detection system. The building fire alarm system shall be capable of reporting specific signals to the Central Station for the following alarms. These signals are in addition to the other required signals to be sent to the Central Station.
 - i. A supervisory signal is to be sent when the gas detector activates at 1.5%. This shall provide a supervisory signal at the fire alarm control panel and shall report a supervisory signal to the Central Station.

- ii. An alarm signal is to be sent when the gas detector activates at 3%. This shall provide an alarm signal at the fire alarm control panel, provide full building evacuation and shall report a “**CO-2 Alarm**” signal to the Central Station.
 - c. For buildings that are existing, the building fire alarm system is to be evaluated to determine the capability of monitoring the gas detection system. If the building fire alarm system is not capable of monitoring and transmitting a separate signal to the Central Station, the building fire alarm system shall report the following signals to the Central Station for the following alarms. These signals are in addition to the other required signals to be sent to the Central Station.
 - i. A supervisory signal is to be sent when the gas detector activates at 1.5%. This shall provide a supervisory signal at the fire alarm control panel and shall report a supervisory signal to the Central Station.
 - ii. An alarm signal is to be sent when the gas detector activates at 3%. This shall provide an alarm signal at the fire alarm control panel, provide full building evacuation and shall report an alarm signal to the Central Station.
 - iii. An alarm device is to be installed outside the building at the Fire Department entrance to notify personnel of a CO-2 activation. This device shall be labeled as a CO-2 alarm and shall activate upon activation of the CO-2 sensor.
 - d. For buildings that do not have a building fire alarm system, the following is to be provided.
 - i. In addition to the CO-2 detection and alarms inside the building, an additional alarm device is to be located outside the building at the Fire Department entrance to notify personnel of a CO-2 activation. This device shall be labeled as a CO-2 alarm and shall activate upon activation of the CO-2 sensor.
- 11. Verify where the insulated liquid carbon dioxide container is located inside the building that a dedicated exhaust system is provided. The exhaust system is to provide exhaust at a rate of one (1) cubic foot per square foot of enclosed area.

Fire Signage and Access Requirements



Fire Department Construction Access Requirements

1. Provide Fire department access sign as prescribed above.
2. The Fire Department access sign shall be located as close as possible to the Fire Department construction access road entrance and shall be visibly maintained at all times.
3. The Fire Department access roads shall be a minimum width of twenty (20) feet wide.
4. The Fire Department access roads shall be constructed and maintained as to support the weight of the fire apparatus, (75,000 lbs.), in all weather conditions and at all times.
5. Reflectors shall be provided to define the width of the Fire Department access roads. The reflectors shall be mounted at intervals not to exceed fifty feet.
6. The access road shall be extended to within two hundred (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 continuous hours in any day.
7. All open trenches shall have steel plates capable of maintaining the integrity of the access road design when these trenches cross an access road.
8. Access roads shall be in place prior to the start of vertical construction.

Reasoning:

Fire apparatus access roads are essential during construction to allow emergency response to the site for both fire and medical emergencies.

FIRE SPRINKLER SYSTEM GENERAL INFORMATION SIGN

PROJECT ADDRESS 12345 NORTH 83RD. AVENUE
 OCCUPANCY CLASSIFICATION STORAGE
 HAZARD CLASSIFICATION ORDINARY HAZARD GROUP II
 SYSTEM DENSITY .20 G.P.M. / 1500 SQUARE FEET
 AREA OF OPERATION 1500 SQUARE FEET
 AREA PER SPRINKLER 130 SQUARE FEET
 NUMBER OF SPRINKLERS CALCULATED 12
 HOSE WATER ALLOWANCE INSIDE 0 OUTSIDE 250

SPRINKLER SYSTEM DEMAND

PSI REQUIRED AT SOURCE 49.5
 GPM REQUIRED AT SOURCE 405.3
 PSI REQUIRED AT BASE OF RISER 39.8
 GPM REQUIRED AT BASE OF RISER 155.3
 PSI AVAILABLE 65.5
 GPM AVAILABLE 405.3

ORIGINAL FLOW TEST DATA

STATIC PSI 80.0
 RESIDUAL PSI 68.0
 PITOT PSI 40.0
 ORIFICE DIAMETER 2 1/2-INCH
 COEFFICIENT OF DISCHARGE .90
 GPM 1061.0
 LOCATION 12345 NORTH 83RD. AVENUE
 BY WHOM CITY OF PEORIA AND COMPANY ABC
 DATE JANUARY 1, 2050

SUPPLY USED IN DESIGN

72.0
61.2
40.0
2 1/2-INCH
.90
1061.0

ORIGINAL MAIN DRAIN TEST DATA

STATIC PSI 69.0
 RESIDUAL PSI 58.0

INSTALLATION INFORMATION

NAME OF
 INSTALLING CONTRACTOR COMPANY ABC
 INSTALLATION DATE JUNE 8, 2050

BUILDING STORAGE CRITERIA

THE FIRE SPRINKLER SYSTEM IN THIS BUILDING HAS BEEN DESIGNED PER THE 2050 EDITION OF NFPA 13 AND SHALL COMPLY WITH THE CODE REQUIREMENTS OF THAT DOCUMENT AND THE CITY OF PEORIA CODE REQUIREMENTS.

MAXIMUM HEIGHT TO TOP OF STORAGE SHALL NOT EXCEED 12 FEET ABOVE FINISH FLOOR.

FIRE SPRINKLER DEFLECTORS SHALL NOT BE LESS THAN 18 INCHES FROM THE TOP OF STORAGE.

aisle width shall be 8 FEET FEET

RACK FLUE SPACE SHALL BE 6 INCHES INCHES

COMMODITY CLASSIFICATION CLASS I THRU IV

ENCAPSULATED _____ NON-ENCAPSULATED X

SOLID SHELVING _____ OPEN SHELVING X

OTHER INFORMATION

STORAGE ALLOWS FLAMMABLE / COMBUSTIBLE LIQUIDS
 YES _____ NO X

STORAGE ALLOWS HAZARDOUS MATERIALS
 YES _____ NO X

LIMITATIONS ON EXTENDED COVERAGE OR OTHER LISTED SPECIAL SPRINKLERS

MAXIMUM SPACING BETWEEN SPRINKLERS SHALL NOT EXCEED 18 FEET

MINIMUM SPACING BETWEEN SPRINKLERS SHALL NOT EXCEED 8 FEET

MAXIMUM DISTANCE OF SPRINKLERS OFF WALLS SHALL NOT EXCEED 9 FEET

MAXIMUM DISTANCE OF SPRINKLER DEFLECTORS FROM ROOF DECK SHALL NOT EXCEED 12 INCHES

EXAMPLE

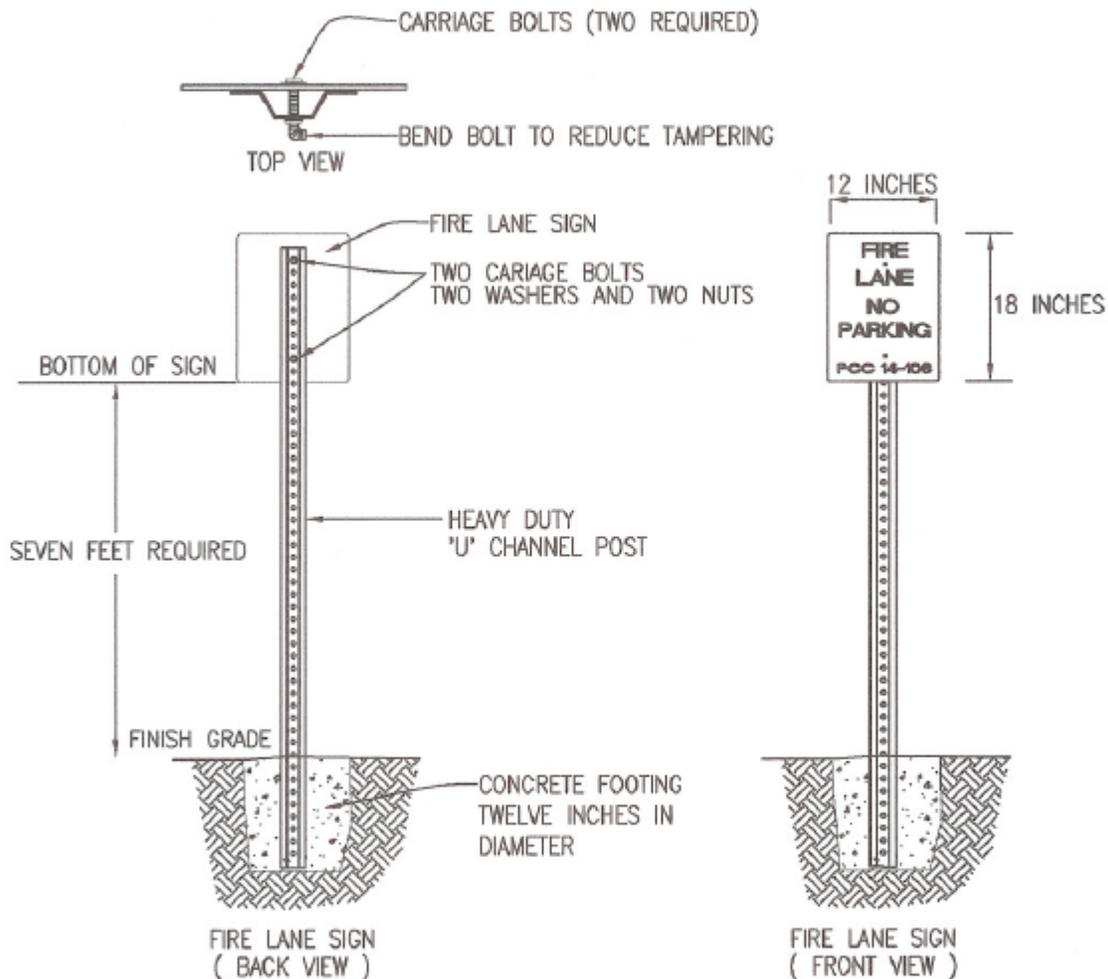
EXAMPLE

EXAMPLE

FIRE SPRINKLER SYSTEM GENERAL INFORMATION SIGN	BUILDING STORAGE CRITERIA
PROJECT ADDRESS _____ OCCUPANCY CLASSIFICATION _____ HAZARD CLASSIFICATION _____ SYSTEM DENSITY _____ AREA OF OPERATION _____ AREA PER SPRINKLER _____ NUMBER OF SPRINKLERS CALCULATED _____ HOSE WATER ALLOWANCE INSIDE _____ OUTSIDE _____	THE FIRE SPRINKLER SYSTEM IN THIS BUILDING HAS BEEN DESIGNED PER THE _____ EDITION OF NFPA 13 AND SHALL COMPLY WITH THE CODE REQUIREMENTS OF THAT DOCUMENT AND THE CITY OF PEORIA CODE REQUIREMENTS. MAXIMUM HEIGHT TO TOP OF STORAGE SHALL NOT EXCEED _____ FEET ABOVE FINISH FLOOR. FIRE SPRINKLER DEFLECTORS SHALL NOT BE LESS THAN _____ INCHES FROM THE TOP OF STORAGE. AISLE WIDTH SHALL BE _____ FEET RACK FLUE SPACE SHALL BE _____ INCHES COMMODITY CLASSIFICATION _____ ENCAPSULATED _____ NON-ENCAPSULATED _____ SOLID SHELVING _____ OPEN SHELVING _____
SPRINKLER SYSTEM DEMAND	
PSI REQUIRED AT SOURCE _____ GPM REQUIRED AT SOURCE _____ PSI REQUIRED AT BASE OF RISER _____ GPM REQUIRED AT BASE OF RISER _____ PSI AVAILABLE _____ GPM AVAILABLE _____	
ORIGINAL FLOW TEST DATA	SUPPLY USED IN DESIGN
STATIC PSI _____ RESIDUAL PSI _____ PITOT PSI _____ ORIFICE DIAMETER _____ COEFFICIENT OF DISCHARGE _____ GPM _____ LOCATION _____ BY WHOM _____ DATE _____	_____ _____ _____ _____ _____ _____ _____
ORIGINAL MAIN DRAIN TEST DATA	
STATIC PSI _____ RESIDUAL PSI _____	
INSTALLATION INFORMATION	OTHER INFORMATION
NAME OF INSTALLING CONTRACTOR _____ INSTALLATION DATE _____	STORAGE ALLOWS FLAMMABLE / COMBUSTIBLE LIQUIDS YES _____ NO _____ STORAGE ALLOWS HAZARDOUS MATERIALS YES _____ NO _____ LIMITATIONS ON EXTENDED COVERAGE OR OTHER LISTED SPECIAL SPRINKLERS MAXIMUM SPACING BETWEEN SPRINKLERS SHALL NOT EXCEED _____ FEET MINIMUM SPACING BETWEEN SPRINKLERS SHALL NOT EXCEED _____ FEET MAXIMUM DISTANCE OF SPRINKLERS OFF WALLS SHALL NOT EXCEED _____ FEET MAXIMUM DISTANCE OF SPRINKLER DEFLECTORS FROM ROOF DECK SHALL NOT EXCEED _____ INCHES



CITY OF PEORIA FIRE MARSHAL'S OFFICE



LIST OF MATERIALS FOR INSTALLATION:

10 FT LONG HEAVY DUTY GALVANIZED U-CHANNEL OR PAINTED POST.

FIRE SIGN CONSTRUCTED OF .080 ALUMINUM CONSTRUCTION WITH WHITE REFLECTIVE BACKGROUND AND RED SCREEN PRINTED LETTERS.

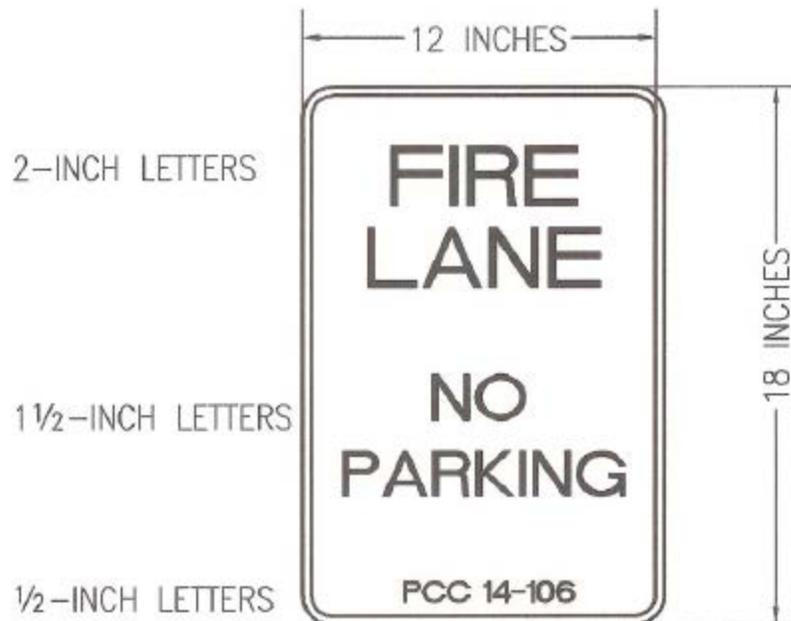
1/4 BOLTS & NUTS & LARGE FLAT OR FENDER WASHERS.

SIGN SHALL FACE THE ONCOMING TRAFFIC

POST SHALL BE INSTALLED TWELVE TO EIGHTEEN INCHES FROM BACK OF CURB OR BACK OF SIDEWALK



CITY OF PEORIA FIRE MARSHAL'S OFFICE



FIRE LANE SIGN DETAIL

THE SIGN PLATE SHALL BE A MINIMUM OF 12 INCHES BY 18 INCHES WITH A THICKNESS OF .080 ALUMINUM CONSTRUCTION.

THE SIGN FACE SHALL HAVE A WHITE REFLECTIVE BACKGROUND WITH A RED LEGEND. USE THE STANDARD 3M SCOTCHLITE SIGN FACE NUMBER R7-32 OR EQUIVALENT, WITH RED SCREEN PRINTED LETTERING AS SHOWN ABOVE.

FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS.

Required Operational Permits per section 105.6					
Permits		Fee	Permits		Fee
[]	Aerosol products	\$50.00	[]	Hot work operations	\$50.00
[]	Amusement buildings	\$50.00	[]	Industrial ovens	\$35.00
[]	Aviation facilities	\$50.00	[]	Lumber yards and woodworking plants	\$50.00
[]	(*) Carnivals and fairs	\$200.00	[]	Liquid or gas fueled vehicles or equipment in assembly buildings	\$35.00
[]	Cellulose nitrate film	\$50.00	[]	LP gas	\$100.00
[]	Combustible dust producing operations	\$50.00	[]	LP gas - store, use, handle or dispense greater than 120 gallons	\$50.00
[]	Combustible fibers	\$50.00	[]	LP gas – exchange station	\$50.00
[]	(*) Compressed gases	\$50.00	[]	Magnesium	\$50.00
[]	Covered mall buildings	\$100.00	[]	Miscellaneous combustible storage	\$50.00
[]	(*) Cryogenic fluids	\$50.00	[]	(*) Open burning	\$50.00
[]	Cutting and welding	\$50.00	[]	Open flames and torches	\$35.00
[]	Dry cleaning plants	\$35.00	[]	Open flames and candles	\$50.00
[]	(*) Exhibits and trade shows (1 – 5,000 sq. ft.)	\$100.00	[]	(*) Organic coatings	\$50.00
[]	(*) Exhibits and trade shows (5,001 sq. ft. +)	\$150.00	[]	Places of assembly	\$35.00
[]	(*) Explosives (blasting, use or transport) (initial 30 days/each additional 30 days)	\$100.00/75.00	[]	(*) Places of assembly (concert 1 – 5,000 sq. ft.)	\$100.00
[]	(*) Explosives (fireworks display)	\$500.00	[]	(*) Places of assembly (concert 5,001 sq. ft. and greater)	\$150.00
[]	(*) Explosives (fireworks sales below exempt amount)	\$35.00	[]	Private fire hydrants	\$35.00
[]	(*) Explosives (fireworks sales above exempt amount)	\$200.00	[]	Pyrotechnic special effects material	\$35.00
[]	Fire hydrants and valves	\$35.00	[]	Proxylin plastics	\$35.00
[]	(*) Flammable and combustible liquids (per site)	\$250.00	[]	Refrigeration equipment	\$50.00
[]	(*) Floor finishing	\$75.00	[]	Repair garages and motor fuel dispensing facilities (each site)	\$50.00
[]	Fruit and crop ripening	\$50.00	[]	Rooftop heliports	\$35.00
[]	(*) Fumigation and thermal insecticidal fogging	\$100.00	[]	Spraying and dipping	\$50.00
[]	(*) Hazardous materials (Group 0)	\$0	[]	Storage of scrap tires and tire byproducts	\$50.00
[]	(*) Hazardous materials (Group 1)(one time fee)	\$150.00	[]	(*) Temporary membrane structures, tents and canopies (each)	\$80.00
[]	(*) Hazardous materials (Group 2)(annually)	\$300.00	[]	Tire rebuilding plants	\$35.00
[]	(*) Hazardous materials (Group 3)(annually)	\$500.00	[]	Waste handling	\$50.00
[]	HPM facilities	\$35.00	[]	Wood products	\$50.00
[]	High pile storage	\$50.00	[]	(*) Fire protection contractor	\$75.00
(*) Required Construction Permits per Section 105.7					
Permits		Fee	Permits		Fee
[]	Battery system	\$100.00/hr	[]	LP gas (install greater than 125 gallons)	\$360.00
[]	Compressed gases (install per system)	\$250.00	[]	LP gas (same install w/o fire protection)	\$200.00
[]	Compressed gases (modification per system)	\$150.00	[]	Private fire hydrants	\$100.00/hr
[]	Flammable and combustible liquids (new tank above ground)	\$360.00	[]	Spraying and dipping (per booth or single)	\$150.00
[]	Flammable and combustible liquids (new tank underground)	\$360.00	[]	Cryogens (install per system)	\$250.00
[]	Flammable and combustible liquids (underground tank removal – 1 st tank)	\$360.00	[]	Cryogens (modification per system)	\$150.00
[]	Flammable and combustible liquids (underground removal additional tank)	\$360.00	[]	Industrial ovens	\$50.00
[]	Hazardous materials (1 st or single)	\$360.00	[]	Refrigeration equipment (installation per system)	\$50.00
[]	Hazardous materials (each additional)	\$50.00			
[]	Hazardous materials (per modification)	\$100.00			

PART FOUR – Applicant Date and Signature and Printed Name:

Date: _____ Applicant Signature: (X) _____

PRINT NAME: _____

By signing this application you are providing the Peoria Fire Department permission to inspect the facility listed in Part One under “Site Address” to verify compliance with the permit to be issued. Inspections are required per Peoria City Code section 9-33, subsection 104.3 to verify compliance with the Fire Code and for the mitigation of hazards.

PART FIVE – Processing and Payment Instructions:

Apply in person and/or pay at:

City of Peoria
Development and Community Services
Building
9875 North 85th Avenue
Peoria, Arizona 85345

-OR-

Apply in person or mail to:

City of Peoria Fire Department
Public Safety Administration Building
8351 West Cinnabar Avenue
Peoria, Arizona 85345

All required documentation **MUST** be present with the completed application. Payment for the permit(s) to be processed is to be included with the application. Incomplete applications will be returned without a review being conducted. Review of the permit application and/or materials will not be conducted until the application is deemed complete. See Fire Department handouts for additional items that may be required for specific permit types. Submit check or money order payable to “City of Peoria” for full amount. NOTE: No cash or credit card payments can be accepted at the Fire Department.